

LabVIEW driver history for the R&S® Digital Oscilloscopes

Products:

| R&S®RTP



| R&S®RTE



| R&S®RTO2000



| R&S®RTO1000



Driver history for LabVIEW

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1 Supported Instruments

In the following table, the supported Rohde & Schwarz instruments and firmware versions are listed:

Which instruments are supported?		
Current revision of instrument driver supports these instruments and firmware versions:		
Instrument	Supported Firmware	Remarks
RTP	4.75	
RTO2000	4.75	
RTE	4.75	
RTO1000	3.70.1.0	

2 Installation of the LabVIEW driver

Before you start the installer, please close your LabVIEW application.

2.1 Installation on a Windows machine

The driver is distributed as WinZip self-extracting executable file. Installer supported operation systems: WinXP, Win7, Win8, Win10.

Preconditions:

- LabVIEW 2015 or newer installed
- Any VISA installed – R&S VISA 5.5.4 or newer / NI VISA 10.0 or newer

When you start the driver WinZip installer, it performs the following steps:

1. Unpacking of the driver's **instr.lib** and **user.lib** directories content as well as the **Installer.vi** into a temporary folder: **C:\temp\rsscope-iv-4.75.0**
The driver is compiled in LabVIEW 2015 64-bit. From there you can copy it to another location or run the **Installer.vi** manually later. The content of the temporary folder is not deleted after the installation is finished. Starting the same installation again will overwrite all the data in that temporary folder.
2. After unpacking, the **Installer.vi** automatically starts in the last opened version of LabVIEW. In case you have more than one version of LabVIEW installed on your machine, make sure that the last opened LabVIEW version is the one in which you want to install the driver. If that is not the case, cancel the installation, open and close your desired LabVIEW version and run the installer again. You can have the driver installed parallel for more LabVIEW versions by repeating the installation process for each desired version.
3. On the installer options page you can change the location of the **instr.lib** part of the driver. **user.lib** part must be placed in the default location, otherwise the Express VI configuration will not properly function.
Hitting **Next** button will first delete the old driver (if it existed), copy the new driver and mass-compile it.
4. If you have an older rsidr_toolbox, the installer updates it to the last version.
5. The LabVIEW is closed and after starting it again, the driver is ready for use.

2.2 Installation on a non-Windows machine

In case you would like to install the driver on a non-Windows machine, use a Windows machine to start the driver's WinZip self-extracting executable file. **This machine does not need to have LabVIEW installed.**

After the **Step 1** (see the chapter 2.1), copy the content of the temporary folder to your target machine and start the **Installer.vi** manually.

From that point onwards, the installation process is the same as described in Steps 2, 3, 4 and 5.

3 LabVIEW driver history

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Driver history for LabVIEW		
Revision	Date	Note
4.75.0	07/2020	<p>Support for RTO, RTP & RTE version 4.75</p> <p>* Updated core to version 6.70.0</p> <p>* Last version available in LabVIEW 2010. All the future updates will require LabVIEW 2015 or newer</p> <p>* New:</p> <ul style="list-style-type: none"> - Advanced (Class) - Gating (Class) - Decomposition (Class) - Components (Class) - Results (Class) - Trigger (Class) - rscope Configure Differential Offset.vi - rscope Configure Differential Position.vi - rscope Configure Differential Scale.vi - rscope Configure Differential Enabled.vi - rscope Configure Differential Signal Positive Negative.vi - rscope Configure Differential Coupling Enabled.vi - rscope Detect ZVC Zero Offset.vi - rscope Configure ZVC Zero Offset Use.vi - rscope Query ZVC Zero Offset Status.vi - rscope Query Calibration Date.vi - rscope Query Calibration Time.vi - rscope Configure Waveform Color.vi - rscope Configure Measurement X-Grid Fixed.vi - rscope Configure Label Font Size.vi - rscope Configure Advanced Jitter Analyzed Signal.vi - rscope Advanced Jitter Quick Start Analysis.vi - rscope Configure Advanced Jitter Reference Source.vi - rscope Configure Advanced Jitter Reference Signal Clock.vi - rscope Configure Advanced Jitter Reference Signal CDR.vi - rscope Configure Advanced Jitter Gating.vi - rscope Configure Advanced Jitter Gate Area.vi - rscope Configure Advanced Jitter Decomposition Step Response.vi - rscope Advanced Jitter Decomposition Estimate Step Response.vi - rscope Query Advanced Jitter Decomposition Step Response Estimated Max.vi - rscope Configure Advanced Jitter Decomposition Target BER.vi - rscope Advanced Jitter Decomposition Select All Basic Jitter Components.vi

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Revision	Date	Note
		<ul style="list-style-type: none"> - rscope Advanced Jitter Decomposition Select All Jitter Components.vi - rscope Advanced Jitter Decomposition Clear Selected Basic Jitter Components.vi - rscope Advanced Jitter Decomposition Clear Selected Jitter Components.vi - rscope Configure Advanced Jitter Decomposition Component Enabled.vi - rscope Configure Advanced Jitter Decomposition Periodic Jitter.vi - rscope Configure Advanced Jitter Results Enabled.vi - rscope Configure Advanced Jitter General Results.vi - rscope Configure Advanced Jitter Component Specific Results.vi - rscope Configure Advanced Jitter Results Diagram Transitions.vi - rscope Configure Advanced Jitter Results Scaling.vi - rscope Configure Advanced Jitter Results Scaling Manual.vi - rscope Query Advanced Jitter Results Component Peak To Peak.vi - rscope Query Advanced Jitter Results Component Standard Deviation.vi - rscope Query Advanced Jitter Results Component Statistics Waveform Count.vi - rscope Query Advanced Jitter Results Component Statistics Peak To Peak.vi - rscope Query Advanced Jitter Results Component Statistics Standard Deviation.vi - rscope Query Advanced Jitter Results Component Statistics Max Peak To Peak.vi - rscope Query Advanced Jitter Results Component Statistics Max Standard Deviation.vi - rscope Query Advanced Jitter Results Component Statistics Min Peak To Peak.vi - rscope Query Advanced Jitter Results Component Statistics Min Standard Deviation.vi - rscope Query Advanced Jitter Results Periodic Component Count.vi - rscope Query Advanced Jitter Results Periodic Component Frequency.vi - rscope Query Advanced Jitter Results Periodic Component Value.vi - rscope Query Advanced Jitter Results Periodic Component Direction.vi - rscope Configure Protocol Main Measurement.vi - rscope Configure Protocol Additional Measurement.vi - rscope Configure Main Bit Rate.vi - rscope Configure Secondary Bit Rate.vi - rscope Configure Waveform Reference Level.vi - rscope Configure Waveform Reference Level Auto Settings.vi - rscope Configure Waveform Reference User Signal Level.vi - rscope Configure Waveform User Reference Level.vi - rscope Configure Waveform User Middle Reference Level.vi - rscope Configure Waveform Reference Level Relative Levels.vi - rscope Configure Waveform Reference Level Relative User Levels.vi - rscope Configure Waveform Reference Level Hysteresis.vi - rscope Configure Waveform Reference Level Tube.vi - rscope Configure Waveform Reference Level Tube Relative.vi - rscope Clear Mask Test Segments.vi - rscope Configure RFFE Read Mode.vi - rscope Configure RFFE Version.vi

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Revision	Date	Note
		<ul style="list-style-type: none"> - rscope Configure RFFE Trigger Interrupt Pattern.vi - rscope Configure RFFE Trigger Mask.vi - rscope Configure RFFE Trigger Error Gap.vi - rscope Configure RFFE Trigger Error Version.vi - rscope Query RFFE Sequence Byte Name.vi - rscope Query RFFE Sequence Bit Rate.vi - rscope Query RFFE Sequence Write Bit Rate.vi - rscope Configure RFFE Search Error Gap Time.vi - rscope Configure RFFE Search Error Version.vi - rscope Set Attribute RawString.vi - rscope Get Attribute RawString.vi - rscope Get Attribute ViString With Real Len.vi - rscope Get Attribute RawString With Real Len.vi - rscope Configure MSO Data Format.vi - rscope Query IQ Warning.vi - rscope Query IQ Sampling Input Rate.vi - rscope Query Status Bit Number.vi - rscope Configure Numeric Results Decimal Symbol.vi <p>* Updated:</p> <ul style="list-style-type: none"> - rscope Configure Current Probe Predefined.vi - Range table - rscope Configure Trigger.vi - Help - rscope Configure Edge Trigger Source.vi - Help - rscope Configure Runt Trigger Source.vi - Help - rscope Configure Glitch Trigger Source.vi - Help - rscope Configure Width Trigger Source.vi - Help - rscope Configure Window Trigger Source.vi - Help - rscope Configure Timeout Trigger Source.vi - Help - rscope Configure Interval Trigger Source.vi - Help - rscope Configure Slew Rate Trigger Source.vi - Help - rscope Configure Data2Clock Trigger Source.vi - Help - rscope Configure Serial Pattern Trigger Source.vi - Help - rscope Configure Serial Pattern Complex Word Alignment.vi - Help - rscope Configure Serial Pattern Complex Word Condition.vi - Help - rscope Configure Serial Bus Trigger Source.vi - Help - rscope Configure NFC Trigger.vi - Help - rscope Configure TV Trigger.vi - Help - rscope Add Diagram.vi - Range tables - rscope Show Waveform In Diagram.vi - Sources updated - rscope Add Waveform To Diagram.vi - Sources updated - rscope Remove Waveform From Diagram.vi - Sources updated

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Revision	Date	Note
		<ul style="list-style-type: none"> - rsscope Add Label.vi - Sources updated - rsscope Remove Label.vi - Sources updated - rsscope Edit Label Text.vi - Sources updated - rsscope Query Label Text.vi - Source updated - rsscope Configure Label Position Mode.vi - Sources updated - rsscope Configure Label Absolute Position.vi - Sources updated - rsscope Configure Label Relative Position.vi - Sources updated - rsscope Configure XY Diagram.vi - Range tables - rsscope Configure Measurement Source.vi - New sources added - rsscope Configure Meas Source.vi - New sources added - rsscope Configure Measurement Display Intermediate Results.vi - Help - rsscope Configure Eye Jitter Main Measurement.vi - Default - rsscope Configure Spectrum Settings.vi - Noise reject now reserved - rsscope Create New Histogram.vi - Range table - rsscope Configure Histogram Source.vi - Range table, defaults - rsscope Configure Mask Test Source.vi - Default, new sources added - rsscope Configure Search Source.vi - Range table - rsscope Configure Edge Trigger Search.vi - Range table, help - rsscope Configure Glitch Trigger Search.vi - Range table, help, many bugs fixed - rsscope Configure Width Trigger Search.vi - Range table, help - rsscope Configure Runt Trigger Search.vi - Range table, help - rsscope Configure Runt Trigger Search Range.vi - Range table, help - rsscope Configure Window Trigger Search.vi - Range table, help - rsscope Configure Window Trigger Search Range.vi - Help - rsscope Configure Timeout Trigger Search.vi - Range table, help - rsscope Configure Interval Trigger Search.vi - Range table, help - rsscope Configure Slew Rate Trigger Search.vi - Range table, help - rsscope Configure Slew Rate Trigger Search Range.vi - Range table, help - rsscope Configure Data2Clock Trigger Search.vi - Range table, help, bug fixed - rsscope Configure State Trigger Search.vi - Range table, help - rsscope Configure Pattern Trigger Search.vi - Help - rsscope Query Trigger Search Condition.vi - Help - rsscope Configure Search Noise Reject.vi - Help, sources, ranges - rsscope Configure I2C Source.vi - Range table - rsscope Configure SPI Source.vi - Range table - rsscope Configure SPI Trigger Data Position.vi - Conditions updated, bug fixed - rsscope Configure UART Source.vi - Range table - rsscope Configure UART Threshold.vi - Preset default - rsscope Configure LIN Source.vi - Range table - rsscope Configure LIN Threshold.vi - Bug fixed; V9 and V1_5 now correct - rsscope Configure CAN Source.vi - Range table

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Revision	Date	Note
		<ul style="list-style-type: none"> - rscope Configure FlexRay Source.vi - Defaults, help, range table - rscope Configure Audio Clock Line.vi - Range table - rscope Configure Audio WS Line.vi - Range table - rscope Configure Audio Data Line.vi - Range table - rscope Configure MIL1553 Source.vi - Range table - rscope Configure ARINC 429 Source.vi - Range table - rscope Configure RFFE Source.vi - Range table - rscope Configure RFFE Trigger Type.vi - Range table, help - rscope Query RFFE Sequence Status.vi - Status, type results - rscope Configure RFFE Search Type.vi - Range table - rscope Configure MDIO Source.vi - Range table - rscope Configure Ethernet Source.vi - Help, range table - rscope Configure Ethernet Trigger.vi - Trigger types updated - rscope Query Ethernet Word Status.vi - Status results - rscope Query Ethernet Search Word Status.vi - Status results - rscope Configure USB Source.vi - Sources updated - rscope Configure USB PD Data Source.vi - Range table - rscope Configure Manchester Settings.vi - Range table - rscope Configure NRZ Enable.vi - Range table - rscope Configure NRZ Source.vi - Help, range table - rscope Configure NRZ Clock Phase.vi - Range table - rscope Configure EBTB Source.vi - Help, range table - rscope Configure SENT Data Source.vi - Range table - rscope Configure DPHY Source.vi - Range table - rscope Configure DPHY Trigger Data.vi - Conditions updated - rscope Configure MPHY Data Source.vi - Help, range table - rscope Configure Space Wire Source.vi - Range table - rscope Configure PCIe Lane.vi - Help, range table - rscope Configure CXPI.vi - Range table - rscope Configure DDR.vi - Range table - rscope Configure DDR Eye Diagram Source.vi - Source updated - rscope Configure DDR Eye Diagram Timing Reference.vi - Sources updated - rscope Configure DDR Eye Diagram Signal.vi - Sources updated - rscope Configure 100BASE T1 Source.vi - Range table - rscope Configure USB31.vi - Source updated - rscope Set Attribute ViInt32.vi - Channel Name now Repeated Capability - rscope Set Attribute ViInt64.vi - Channel Name now Repeated Capability - rscope Set Attribute ViReal64.vi - Channel Name now Repeated Capability - rscope Set Attribute ViString.vi - Channel Name now Repeated Capability - rscope Set Attribute ViBoolean.vi - Channel Name now Repeated Capability - rscope Set Attribute ViSession.vi - Channel Name now Repeated Capability

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Revision	Date	Note
		<ul style="list-style-type: none"> - rscope Get Attribute ViInt32.vi - Channel Name now Repeated Capability - rscope Get Attribute ViInt64.vi - Channel Name now Repeated Capability - rscope Get Attribute ViReal64.vi - Channel Name now Repeated Capability - rscope Get Attribute ViString.vi - Channel Name now Repeated Capability - rscope Get Attribute ViBoolean.vi - Channel Name now Repeated Capability - rscope Get Attribute ViSession.vi - Channel Name now Repeated Capability - rscope Check Attribute ViInt32.vi - Channel Name now Repeated Capability - rscope Check Attribute ViReal64.vi - Channel Name now Repeated Capability - rscope Check Attribute ViString.vi - Channel Name now Repeated Capability - rscope Check Attribute ViBoolean.vi - Channel Name now Repeated Capability - rscope Check Attribute ViSession.vi - Channel Name now Repeated Capability - rscope Configure Math Enabled.vi - Math repcap updated - rscope Configure Math Setup.vi - Math repcap updated - rscope Configure Math Envelope Waveform Selection.vi - Math repcap updated - rscope Configure Math Vertical Range.vi - Math repcap updated - rscope Configure Math Vertical Scale.vi - Math repcap updated - rscope Configure Math Vertical Offset.vi - Math repcap updated - rscope Configure FFT Frequency Axis.vi - Math repcap updated - rscope Configure FFT Frequency Center Span.vi - Math repcap updated - rscope Configure FFT Frequency Span Full.vi - Math repcap updated - rscope Configure FFT Frequency Start Stop.vi - Math repcap updated - rscope Configure FFT Resolution Bandwidth.vi - Bandwidth range, math repcap updated - rscope Query FFT Adjusted Resolution Bandwidth.vi - Math repcap updated - rscope Configure FFT Window Type.vi - Math repcap updated - rscope Configure FFT Frame Setup.vi - Math repcap updated - rscope Query FFT Frame Coverage.vi - Math repcap updated - rscope Configure FFT Use Color Table.vi - Math repcap updated - rscope Configure FFT Magnitude.vi - Level range, math repcap updated - rscope Configure FFT Phase.vi - Math repcap updated - rscope Configure FFT Gate State.vi - Math repcap updated - rscope Configure FFT Gate Show.vi - Math repcap updated - rscope Configure FFT Gate Definition Zoom.vi - Math repcap updated - rscope Configure FFT Gate Definition Start Stop.vi - Math repcap updated - rscope Configure FFT Gate Record Length RBW Coupling.vi - Math repcap updated - rscope Configure FFT Coupled Spectrum.vi - Math repcaps updated - rscope Configure FFT Spectrum Enabled.vi - Math repcap updated - rscope Configure FFT Spectrum Color Table Mode.vi - Math repcap updated - rscope Configure FFT Spectrum Time Line.vi - Math, timeline repcaps updated - rscope Configure Reference Waveform Source.vi - Sources updated, bug fixed - rscope Read Math Waveform.vi - Math repcap updated - rscope Fetch Math Waveform.vi - Math repcap updated

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		<ul style="list-style-type: none"> - rscope Fetch Math Waveform Header.vi - Math repcap updated - rscope Configure MSO Edge Trigger Source.vi - Help - rscope Configure MSO Width Trigger Source.vi - Help - rscope Configure MSO Timeout Trigger Source.vi - Help - rscope Configure MSO Data2Clock Trigger Source.vi - Help - rscope Configure MSO State Trigger Source.vi - Help - rscope Configure MSO Pattern Trigger Source.vi - Help - rscope Configure MSO Serial Pattern Trigger Source.vi - Help - rscope Configure Spectrum Analysis Spectrogram Enabled.vi - Math repcap updated - rscope Configure Spectrum Analysis X Scaling.vi - Math repcap updated - rscope Configure Spectrum Analysis Coupled Spectrum.vi - Math repcap updated - rscope Query Spectrum Analysis Data Signal Type.vi - Math repcap updated - rscope Configure Spectrum Analysis Color Table.vi - Math repcap updated - rscope Configure Spectrum Analysis Timeline.vi - Math repcap updated - rscope Configure Waveform Export Source.vi - Range table * Deprecated: - rscope Configure User Reference Level.vi - rscope Configure User Middle Reference Level.vi - rscope Configure Reference User Signal Level.vi - rscope Configure Reference Level Tube Relative.vi - rscope Configure Reference Level Tube.vi - rscope Configure Reference Level Relative User Levels.vi - rscope Configure Reference Level Relative Levels.vi - rscope Configure Reference Level Hysteresis.vi - rscope Configure Reference Level Auto Settings.vi - rscope Configure Reference Level.vi - rscope Configure Color Table Assignment.vi * Deleted: - rscope Configure USB31 Trigger Type.vi - rscope Configure USB31 Trigger Packet Type.vi - rscope Configure USB31 Trigger Bit State.vi - rscope Configure USB31 Trigger Data.vi - rscope Configure USB31 Trigger Index.vi - rscope Configure USB31 Search Type.vi - rscope Configure USB31 Search Packet Type.vi - rscope Configure USB31 Search Data.vi - rscope Configure USB31 Search Index.vi - rscope Configure USB31 Search Bit State.vi - rscope Configure SENT Search Type.vi

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Driver history for LabVIEW		
Revision	Date	Note
4.60.0	12/2019	<ul style="list-style-type: none"> * Support for RTO, RTP & RTE version 4.60 * Core update to 6.52.0 * New: <ul style="list-style-type: none"> - rscope Configure Couple Vertical Channel Settings Enabled.vi - rscope Query Vertical Channel Settings Coupled.vi - rscope Configure Probe Predefined Tektronics Probe.vi - rscope Query Probe Adapter Type.vi - rscope Query Probe Converter Type.vi - rscope Configure Probe RT-Z1M Bandwidth Limit.vi - rscope Probe RT-Z1M Self Align.vi - rscope Configure Probe Deembedding Custom Tip File.vi - rscope Configure Probe Deembedding Input Mode.vi - rscope Configure ZVC Resolution Coupled.vi - rscope Fetch ZVC Waveform Header.vi - rscope Fetch ZVC Waveform.vi - rscope Query Calibration Result.vi - rscope Configure Serial Pattern Trigger Type.vi - rscope Configure Serial Pattern Single Bit Pattern.vi - rscope Configure Serial Pattern Dual Bit Pattern.vi - rscope Configure Serial Pattern Complex Word Alignment.vi - rscope Configure Serial Pattern Complex Word Condition.vi - rscope Configure Serial Pattern PRBS Error.vi - rscope Configure Serial Pattern EbTb.vi - rscope Query Serial Pattern EbTb Row Count.vi - rscope Serial Pattern EbTb Append Symbol.vi - rscope Serial Pattern EbTb Modify Symbol.vi - rscope Query Serial Pattern EbTb Running Disparity.vi - rscope Serial Pattern EbTb Clear Table.vi - rscope Configure Serial Pattern EbTb Frame ID.vi - rscope Configure Serial Pattern I32B.vi - rscope Configure Noise Reject Hysteresis Scale.vi - rscope Configure Trigger Sequence Mode.vi - rscope Configure Display Clear Results.vi - rscope Rename Diagram.vi - rscope Configure Cursor Second Source.vi - rscope Configure Cursor Show In All Diagrams.vi - rscope Configure Cursor Result Table Position.vi - rscope Configure Spectrum Result Mode.vi - rscope Configure Frame To Frame.vi - rscope Configure Trigger To Frame.vi - rscope Configure Field Value Measurement.vi

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Revision	Date	Note
		<ul style="list-style-type: none"> - rscope Convert Mask Test To User.vi - rscope Configure Mask Violation Highlighting.vi - rscope Configure Mask Test Mask Colors.vi - rscope Configure Protocol Result Table Zoom Coupling Enabled.vi - rscope Configure Protocol Result Table Position.vi - rscope Autoset Protocol Threshold And Bitrate.vi - rscope Query I2C Frame Bit Rate.vi - rscope Query SPI Frame Bit Rate.vi - rscope Query SPI Frame Result Count.vi - rscope Query UART Primary Bit Rate.vi - rscope Query LIN Frame Bit Rate.vi - rscope Query LIN Frame All Symbolic Data.vi - rscope Export LIN Frame All Symbolic Data To File.vi - rscope Query CAN Frame Bit Rate.vi - rscope Export CAN Frame All Symbolic Data To File.vi - rscope Query Ethernet Word Bit Rate.vi - rscope Export SENT Frame All Symbolic Data To File.vi - rscope Configure PCIe Filter Idle.vi - rscope Configure DDR Eye Diagram Bit Rate.vi - rscope Configure DDR Eye Diagram Filter Frame Type.vi - rscope Configure DDR Eye Diagram Filter Length Errors.vi - rscope Query 100BASE T1 Frame Bit Rate.vi - rscope Reset Reference Waveform Vertical Settings.vi - rscope Configure MSO Digital Channel Coupling.vi - rscope Configure MSO Decode Table Show.vi - rscope Query MSO Decode Table.vi - rscope Configure Pulse Source Setup.vi - rscope Reset Pulse Source.vi - rscope Configure TDR TDT Measurement.vi - rscope Configure TDR TDT Single Ended Channels.vi - rscope Configure TDR TDT Differential Channels.vi - rscope Measure TDR TDT With Default Values.vi - rscope Configure TDR TDT Calibration Load.vi - rscope Configure TDR TDT Calibration Save.vi - rscope Configure TDR TDT Pulse Reference Channel.vi - rscope Configure TDR TDT Short Length.vi - rscope Configure TDR TDT Use Calibration.vi - rscope Configure TDR TDT Measurement Parameters.vi - rscope Configure TDR TDT Signal.vi - rscope Fetch TDR TDT Signal Waveform Header.vi - rscope Fetch TDR TDT Signal Complete Waveform.vi

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Revision	Date	Note
		<ul style="list-style-type: none"> - rscope Fetch TDR TDT Signal Partial Waveform.vi - rscope Configure CDR Software Serial Standard.vi - rscope Configure CDR Software Bit Rate Correction.vi - rscope CDR Software Estimate Bit Rate Once.vi - rscope Configure CDR Hardware Serial Standard.vi - rscope CDR Hardware Estimate Bit Rate Once.vi - rscope Fetch All System Errors.vi - rscope Query Device Serial Number.vi - rscope Set System Date.vi - rscope Query System Date.vi - rscope Query System Time.vi - rscope Save Instrument Settings.vi - rscope Recall Instrument Settings.vi <p>* Updated:</p> <ul style="list-style-type: none"> - All DDR3 and DDRThree classes, methods, attributes, and commands now DDR - Changing repeated capability Measurement - identifiers from M1..M10 to Meas1..Meas10 - rscope Configure Glitch Trigger Source.vi - Repcaps updated - rscope Configure Width Trigger Source.vi - Repcaps updated - rscope Configure Timeout Trigger Source.vi - Repcaps updated - rscope Configure Data2Clock Trigger Source.vi - Repcaps updated - rscope Configure Serial Pattern Trigger Source.vi - Repcaps updated - rscope Configure TV Trigger.vi - Repcaps updated - rscope Configure Serial Bus Trigger Source.vi - I2S protocol added - rscope Configure Channel Digital Filter Trigger.vi - Repcaps updated - rscope Configure Probe Deembedding Select Tip Module.vi - Tip modules updated - rscope Configure Trigger Coupling.vi - Source coupling now only applied to Trigger A - rscope Configure Trigger Channel Level.vi - RepCap updated - rscope Configure Runt Trigger Source.vi - Repcaps updated - rscope Configure Window Trigger Source.vi - Repcaps updated - rscope Configure Slew Rate Trigger Source.vi - Repcaps updated - rscope Configure Noise Reject.vi - Repcaps updated - rscope Configure Noise Reject Hysteresis Range In Divisions.vi - Repcaps updated - rscope Configure Trigger Qualification.vi - Attributes and repcaps updated - rscope Query History Time Stamp.vi - Attributes and repcaps updated - rscope Configure Measurement Source.vi - Attributes and range tables updated - rscope Configure MPHY Trigger Index.vi - Ranges updated - rscope Configure DDR.vi - rscope Query DDR Frame Count.vi - rscope Query DDR Frame Status.vi - rscope Query DDR Frame Number Of Words.vi

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Revision	Date	Note
		<ul style="list-style-type: none"> - rscope Query DDR Frame Field Status.vi - rscope Configure DDR Eye Diagram Display.vi - rscope Configure DDR Eye Diagram Enabled.vi - rscope Configure DDR Eye Diagram Source.vi - rscope Configure DDR Eye Diagram Timing Reference.vi - rscope Configure DDR Eye Diagram Horizontal Settings.vi - rscope Configure DDR Eye Diagram Gate.vi - rscope Configure DDR Eye Diagram Signal.vi - rscope Configure DDR Eye Diagram Filter Enabled.vi - rscope Configure DDR Eye Diagram Filter Reset.vi - rscope Configure DDR Eye Diagram Filter Bit Sequence Mode.vi - rscope Configure DDR Eye Diagram Filter Pattern Prefix Bit.vi - rscope Configure DDR Eye Diagram Filter Pattern Center Bit.vi - rscope Configure DDR Eye Diagram Filter Pattern Suffix Bit.vi - rscope Configure DDR Eye Diagram Filter Pattern Shift Bit.vi - rscope Configure DDR Search Error Type Name Enabled.vi - rscope Configure DDR Search Error Type Numeric Enabled.vi - rscope Configure DDR Search Frame Type Name Enabled.vi - rscope Configure DDR Search Frame Type Numeric Enabled.vi - rscope Configure DDR Search Frame Field Name Enabled.vi - rscope Configure DDR Search Frame Field Numeric Enabled.vi - rscope Configure DDR Search Frame Field Name Data.vi - rscope Configure DDR Search Frame Field Name Index.vi - rscope Configure DDR Search Frame Field Numeric Data.vi - rscope Configure DDR Search Frame Field Numeric Index.vi - rscope Query DDR Search Frame Count.vi - rscope Query DDR Search Frame Status.vi - rscope Query DDR Search Frame Number Of Words.vi - rscope Query DDR Search Frame Field Status.vi - rscope Configure IQ Sampling Real Input.vi - Range updated <p>* Deleted:</p> <ul style="list-style-type: none"> - rscope Fast Sweep Mode.vi - All obsolete attributes have been deleted. - Attributes using obsolete and non-compliant repcaps have been removed and replaced where they couldn't be updated.
4.15.0	01/2019	<ul style="list-style-type: none"> * Support for RTP, RTO and RTE version 4.15 * New Subsystems - Deembedding - DDR3 Protocol - 100BASE-T1 Protocol

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Revision	Date	Note
		<ul style="list-style-type: none"> - Ethernet Trigger - Search >> Custom Manchester NRZ - Search >> MPHY >> SSIC - Trigger >> MPHY >> SSIC - Custom Manchester NRZ Filter - External Application - Quick Action - System >> Remote Trace * New: - rscope Configure Zone Trigger In History Replay State.vi - rscope Configure Calibration Source State.vi - rscope Configure Channel Antialiasing.vi - rscope Query Cursor Horizontal Delta Slope.vi - rscope Configure Measurement Display Result Table Position.vi - rscope Configure Measurement Display Group Result Dialogs.vi - rscope Configure Gate Coupling.vi - rscope Configure Gate Zoom Diagram.vi - rscope Configure Remote Trace File.vi - rscope Configure Remote Trace File Content.vi - rscope Configure Remote Trace Diagnostic.vi - rscope Configure Remote Trace State.vi - rscope Configure Remote Trace Start Mode.vi - rscope Configure Remote Trace Stop Mode.vi - rscope Hardcopy Print Next.vi - rscope Configure Mask Test Name State.vi - rscope Rename Mask Test.vi - rscope Configure MPHY Trigger PRP Width.vi - rscope Configure MSO Bus Signal Selection.vi - rscope Configure Noise Reject Hysteresis Range In Divisions.vi - rscope Configure Probe Deembedding Select Tip Module.vi - rscope Configure Probe Deembedding Mode.vi - rscope Configure Probe Deembedding Source Impedance.vi - rscope Configure Probe RT-ZHD.vi - rscope Configure Probe Skew Offset.vi - rscope Configure Skew Extended Range.vi - rscope Configure CXPI Spacing.vi - rscope Configure DPHY Physical Configuration.vi - rscope Manchester NRZ Export Frames As Raw Bits.vi - rscope Configure MPHY Scrambled Mode.vi - rscope Query SPI Frame Formatted Value.vi

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		<ul style="list-style-type: none"> - rsscope Configure USB31 Protocol Type.vi - rsscope Configure EBTB Estimated Bitrate.vi - rsscope Query Reference Waveform Signal Type.vi - rsscope One File Operations.vi - rsscope Configure Spectrum Max Number Of Results.vi - rsscope Configure Line Trigger Slope.vi - rsscope Configure Event Trigger Run External Application.vi - rsscope Configure Trigger Input Probe AC Coupling.vi - rsscope Trigger Input Probe Degauss.vi - rsscope Configure Trigger Input Probe Mode.vi - rsscope Configure Trigger Input Probe RT-ZHD.vi - rsscope rsscope_ChaneFileAttributes - rsscope Configure Manchester NRZ Trigger Error Name Enabled.vi - rsscope Configure Manchester NRZ Trigger Error Numeric Enabled.vi - rsscope Configure Manchester NRZ Trigger Frame Type Name Enabled.vi - rsscope Configure Manchester NRZ Trigger Frame Type Numeric Enabled.vi - rsscope Configure Manchester NRZ Trigger Frame Field Name Enabled.vi - rsscope Configure Manchester NRZ Trigger Frame Field Numeric Enabled.vi - rsscope Configure Manchester NRZ Trigger Frame Field Name Bit State.vi - rsscope Configure Manchester NRZ Trigger Frame Field Numeric Bit State.vi - rsscope Configure Manchester NRZ Trigger Frame Field Name Data.vi - rsscope Configure Manchester NRZ Trigger Frame Field Numeric Data.vi - rsscope Configure Manchester NRZ Trigger Frame Field Name Index.vi - rsscope Configure Manchester NRZ Trigger Frame Field Numeric Index.vi - rsscope Query EBTB Symbol Parameters.vi - rsscope Query Manchester NRZ Result Cell Start Stop.vi - rsscope Query MPHY Frame Cell Status.vi - rsscope Query MPHY SSIC Frame Type.vi - rsscope Query RFFE Sequence Parity.vi - rsscope Query Space Wire Frame Field Status.vi - rsscope Query Space Wire Frame Field Data Bytes.vi - rsscope Query Space Wire Frame Field Formatted Value.vi - rsscope Query USB PD Frame Field Start Stop.vi - rsscope Query USB31 Frame Field Start Stop.vi - rsscope Configure Search Gate Definition Zoom Diagram.vi - rsscope Query MPHY Search Frame Cell Status.vi - rsscope Query USB PD Search Frame Field Start Stop.vi - rsscope Query USB31 Search Frame Field Start Stop.vi - rsscope Configure USB PD Search Error Type Name Enabled.vi - rsscope Configure USB PD Search Error Type Numeric Enabled.vi - rsscope Configure USB PD Search Frame Type Name Enabled.vi

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		<ul style="list-style-type: none"> - rscope Configure USB PD Search Frame Type Numeric Enabled.vi - rscope Configure USB PD Search Frame Field Name Enabled.vi - rscope Configure USB PD Search Frame Field Numeric Enabled.vi - rscope Configure USB PD Search Frame Field Name Bit State.vi - rscope Configure USB PD Search Frame Field Numeric Bit State.vi - rscope Configure USB PD Search Frame Field Name Data.vi - rscope Configure USB PD Search Frame Field Numeric Data.vi - rscope Configure USB PD Search Frame Field Name Index.vi - rscope Configure USB PD Search Frame Field Numeric Index.vi - rscope Configure USB PD Trigger Error Type Name Enabled.vi - rscope Configure USB PD Trigger Error Type Numeric Enabled.vi - rscope Configure USB PD Trigger Frame Type Name Enabled.vi - rscope Configure USB PD Trigger Frame Type Numeric Enabled.vi - rscope Configure USB PD Trigger Frame Field Name Enabled.vi - rscope Configure USB PD Trigger Frame Field Numeric Enabled.vi - rscope Configure USB PD Trigger Frame Field Name Bit State.vi - rscope Configure USB PD Trigger Frame Field Numeric Bit State.vi - rscope Configure USB PD Trigger Frame Field Name Data.vi - rscope Configure USB PD Trigger Frame Field Numeric Data.vi - rscope Configure USB PD Trigger Frame Field Name Index.vi - rscope Configure USB PD Trigger Frame Field Numeric Index.vi - rscope Configure USB31 Search Error Type Name Enabled.vi - rscope Configure USB31 Search Error Type Numeric Enabled.vi - rscope Configure USB31 Search Frame Type Name Enabled.vi - rscope Configure USB31 Search Frame Type Numeric Enabled.vi - rscope Configure USB31 Search Frame Field Name Enabled.vi - rscope Configure USB31 Search Frame Field Numeric Enabled.vi - rscope Configure USB31 Search Frame Field Name Bit State.vi - rscope Configure USB31 Search Frame Field Numeric Bit State.vi - rscope Configure USB31 Search Frame Field Name Data.vi - rscope Configure USB31 Search Frame Field Numeric Data.vi - rscope Configure USB31 Search Frame Field Name Index.vi - rscope Configure USB31 Search Frame Field Numeric Index.vi - rscope Configure USB31 Trigger Error Type Name Enabled.vi - rscope Configure USB31 Trigger Error Type Numeric Enabled.vi - rscope Configure USB31 Trigger Frame Type Name Enabled.vi - rscope Configure USB31 Trigger Frame Type Numeric Enabled.vi - rscope Configure USB31 Trigger Frame Field Name Enabled.vi - rscope Configure USB31 Trigger Frame Field Numeric Enabled.vi - rscope Configure USB31 Trigger Frame Field Name Bit State.vi - rscope Configure USB31 Trigger Frame Field Numeric Bit State.vi

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		<ul style="list-style-type: none"> - rsscope Configure USB31 Trigger Frame Field Name Data.vi - rsscope Configure USB31 Trigger Frame Field Numeric Data.vi - rsscope Configure USB31 Trigger Frame Field Name Index.vi - rsscope Configure USB31 Trigger Frame Field Numeric Index.vi - rsscope Configure Ethernet Trigger.vi - rsscope Numeric Results Select Item.vi - rsscope Configure Numeric Results Parameters.vi - rsscope Save Numeric Results Boxes.vi - rsscope Configure External Application.vi - rsscope Configure Quick Action.vi - rsscope Execute Quick Action.vi <p>* Modified:</p> <ul style="list-style-type: none"> - rsscope Configure CAN Threshold.vi - range updated at 'Manual Threshold' parameter - rsscope Configure I2C Threshold.vi - range updated at 'SCL Threshold' and 'SDA Threshold' parameters - rsscope Configure LIN Threshold.vi - range updated at 'Manual Threshold' parameter - rsscope Configure LIN Trigger CRC Error Pattern.vi - range updated at 'Data Length' parameter - rsscope Configure Manchester NRZ Cell.vi - range updated at 'Bit Count' parameter - rsscope Configure Space Wire Threshold.vi - range updated at 'Hysteresis' parameter - rsscope Configure SPI Threshold.vi - range updated at 'Clock Threshold', 'SS Threshold', 'MISO Threshold' and 'MOSI Threshold' parameters - rsscope Configure UART Threshold.vi - range updated at 'Rx Threshold' and 'Tx Threshold' parameters - rsscope Configure USB Threshold.vi - range updated at 'Threshold' parameter - rsscope Configure LIN Search CRC Error Pattern.vi - range updated at 'Data Length' parameter - rsscope Configure Reset Statistics Settings.vi - range updated at 'Reset Count' parameter - rsscope Configure Reference Level Relative User Levels.vi - range updated at 'Upper Level', 'Middle Level' and 'Lower Level' parameters - rsscope Configure Amplitude Time Slope.vi - parameter 'Slope' updated - rsscope Configure Manchester NRZ Trigger Type.vi - parameter 'Type' updated - rsscope Configure Trigger Input Probe Attenuator RT-ZA15.vi - SCPI command updated - rsscope Configure TV Trigger.vi - 'Line Field' SCPI command updated - rsscope Set Status Register.vi - added 'PPL', 'ZVC Overload' and 'Deembedding' - rsscope Get Status Register.vi - added 'PPL', 'ZVC Overload' and 'Deembedding' - rsscope Configure Mask Test Manager Operations.vi - added 'Clear All' to 'Operation' parameter - rsscope Configure Mask Test Actions On Event.vi - added 'Save Report', 'Start External Application' and 'Create Trigger Out Pulse' to 'Event' parameter - rsscope Configure Measurement Event Actions.vi - added 'Save Report' and 'Run External Application' to 'Event' parameter - rsscope Configure Spectrum Limit Check.vi - 'Measurement Type' redefinition of constants to match the repeated capability - rsscope Configure Spectrum Limit Check Limits.vi - 'Measurement Type' redefinition of constants to match the repeated capability - rsscope Configure Spectrum Limit Check Margins.vi - 'Measurement Type' redefinition of constants to

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		match the repeated capability - rscope Configure Spectrum Main Measurement.vi - added 'THD Fundamental Frequency' to 'Measurement Function' parameter - rscope Configure Spectrum Additional Measurement.vi - added 'THD Fundamental Frequency' to 'Measurement Function' parameter - rscope Read Spectrum Waveform Measurement.vi - added 'THD Fundamental Frequency' to 'Measurement Function' parameter - rscope Fetch Spectrum Waveform Measurement.vi - added 'THD Fundamental Frequency' to 'Measurement Function' parameter - rscope Read Start Stop Spectrum Waveform Measurement.vi - added 'THD Fundamental Frequency' to 'Measurement Function' parameter - rscope Fetch Start Stop Spectrum Waveform Measurement.vi - added 'THD Fundamental Frequency' to 'Measurement Function' parameter - rscope Configure Serial Bus Trigger Source.vi - added DDR3 and Ethernet 100BASE-T1 to protocol parameter
3.65.3	06/2018	Fixed driver settings in rscope Initialize with Options.vi
3.65.2	06/2018	Added RTP support
3.65.1	12/2017	* Modified: - RSSCOPE_ATTR_HARDCOPY_DEVICE_DESTINATION - fixed bug when writing command parameters without apostrophes
3.65.0	11/2017	Support for RTO & RTE version 3.65 * New Subsystems - ZVC Probe - EbTb Trigger * Modified: - Source parameters - Initialize.vi, Initialize with Options.vi, Close.vi and Utility VIs have new VI icons
3.50.0	08/2017	* Support for RTO & RTE version 3.50 * New Subsystems - Termination Voltage - Spectrum >> Result Labels - USB 31 Generation 1 - USB PD - PCIe - CXPI - FFT Coupling - FFT Spectrum Analysis - Generator * New: - rscope Configure Acquisition Sample Rate.vi

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		<ul style="list-style-type: none"> - rscope Configure Probe DM Offset.vi - rscope Configure Probe Negative Offset.vi - rscope Configure Probe Positive Offset.vi - rscope Configure Probe Mode.vi - rscope Configure Meas Source.vi - rscope Configure Show Threshold Lines.vi - rscope Configure Show Details.vi - rscope Configure CAN FD Standard.vi - rscope Configure CAN FD Jump Width.vi - rscope Configure CAN FD Sample Point Absolute.vi - rscope Configure CAN FD Sample Point Relative.vi - rscope Query CAN Trigger Number Of Data Bytes.vi - rscope Configure CAN Trigger Stuff Count Error.vi - rscope Query CAN Frame Number Of Bytes.vi - rscope Query CAN Frame Form Error Cause.vi - rscope Query CAN Frame FD Stuff Count.vi - rscope Configure CAN Search Stuff Count Error.vi - rscope Query CAN FD Search Frame Standard.vi - rscope Query CAN Search Frame Number Of Bytes.vi - rscope Query CAN Search Frame Form Error Cause.vi - rscope Query CAN FD Search Frame Stuff Count.vi - rscope Query Ethernet Word Frame Type.vi - rscope Query Ethernet Word Number Of Words.vi - rscope Query Ethernet Search Word Frame Type.vi - rscope Configure Manchester NRZ Cell Color CRGB.vi - rscope Query DPHY Frame Number Of Packets.vi - rscope Configure FFT Frequency Axis.vi - rscope Configure FFT Use Color Table.vi <p>* Modified:</p> <ul style="list-style-type: none"> - rscope Configure Waveform Acquisition Couple Channels Enabled.vi - command changed - rscope Configure Probe Micro Button Action.vi - probe setup added - rscope Configure Current Probe Predefined.vi - new probes - rscope Configure Trigger Input Probe Micro Button Action.vi - probe setup added - rscope Configure Current Trigger Input Probe Predefined.vi - new probes - rscope Configure High Definition.vi - range changed - rscope Configure Serial Bus Trigger Source.vi - new protocols - rscope Configure XY Diagram.vi - new XY sources - rscope Configure Measurement Source.vi - function is obsolete - rscope Configure Measurement Event Actions.vi - new event Trigger Out Pulse - rscope Configure Cursor.vi - range table corrected for data source

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		<ul style="list-style-type: none"> - rscope Configure Amplitude Time Main Measurement.vi - new measurements - rscope Configure Amplitude Time Additional Measurement.vi - new measurements - rscope Configure Spectrum Main Measurement.vi - new functions - rscope Configure Spectrum Additional Measurement.vi - new functions - rscope Configure Long Term Vertical Scaling.vi - scale range added - rscope Configure CAN Trigger FD Bits.vi - DC for BRS added - rscope Query CAN Frame Status.vi - new statuses - rscope Query CAN Frame ID.vi - new status code - rscope Query CAN Frame Field.vi - new field status - rscope Query CAN Frame Data.vi - new status code - rscope Configure CAN Search State.vi - command corrected - rscope Configure MDIO Threshold.vi - threshold range added - rscope Query MDIO Word Status.vi - new Status - rscope Configure Manchester NRZ Bitrate.vi - bitrate range added - rscope Configure NRZ Enable.vi - new sources - rscope Query Manchester NRZ Result Status.vi - new statuses - rscope Query Manchester NRZ Result Cell Status.vi - new statuses - rscope Configure Math Setup.vi - new calculation methods - rscope Configure FFT Frame Setup.vi - new calculation methods - rscope Configure Reference Waveform Vertical Scaling.vi - vertical position range added - rscope Read Main Waveform Measurement.vi - reliability statistic type - rscope Read Amplitude Time Waveform Measurement.vi - reliability statistic type + slew rate function - rscope Read Start Stop Amplitude Time Waveform Measurement.vi - slew rate function - rscope Read Eye Jitter Waveform Measurement.vi - reliability statistic type - rscope Read Histogram Waveform Measurement.vi - reliability statistic type - rscope Read Spectrum Waveform Measurement.vi - reliability statistic type + new functions - rscope Read Start Stop Spectrum Waveform Measurement.vi - reliability statistic type + new function - rscope Read Jitter Waveform Measurement.vi - reliability statistic type - rscope Fetch Main Waveform Measurement.vi - reliability statistic type - rscope Fetch Amplitude Time Waveform Measurement.vi - reliability statistic type + slew rate function - rscope Fetch Start Stop Amplitude Time Waveform Measurement.vi - slew rate function - rscope Fetch Eye Jitter Waveform Measurement.vi - reliability statistic type - rscope Fetch Histogram Waveform Measurement.vi - reliability statistic type - rscope Fetch Spectrum Waveform Measurement.vi - reliability statistic type + new functions - rscope Fetch Start Stop Spectrum Waveform Measurement.vi - reliability statistic type + new function - rscope Fetch Jitter Wave form Measurement.vi - reliability statistic type - rscope Set Status Register - Lamplitude - rscope Get Status Register - Lamplitude - rscope Query IQ Data Header.vi - control name changed - rscope Configure Cursor.vi - fixed enum range - rscope Generator Start Alignment With OPC.vi - connector fixed

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		<ul style="list-style-type: none"> - rscope Configure SENT Data Source.vi - fixed enum control - rscope Waveform Generator Arbitrary Open File.vi - fixed - rscope Waveform Generator Arbitrary Multichannel Open File.vi - fixed
3.35.0	12/2015	<p>Support for RTO & RTE version 3.35</p> <ul style="list-style-type: none"> * New driver core New Subsystems - M-PHY - SPI Search - Spectrum Analysis <p>* New:</p> <ul style="list-style-type: none"> - rscope Configure Waveform Acquisition Couple Channels Enabled.vi - rscope Configure Multiwaveform Acquisition Enabled.vi - rscope Configure Channel Invert.vi - rscope Configure Zone Logical Expression.vi - rscope Configure Display Gate Transparency.vi - rscope Configure Spectrum Absolute Threshold.vi - rscope Configure RFFE Search Interrupt.vi - rscope Configure MDIO Max Gap Time.vi - rscope Configure NRZ Enable.vi - rscope Configure NRZ ENA Polarity.vi - rscope Configure NRZ Threshold Value.vi - rscope Configure Space Wire Min Gap.vi - rscope Configure Reference Multiwaveform Name.vi - rscope Configure Reference Multiwaveform Import.vi - rscope Open Reference Multiwaveform.vi - rscope Is Triggered.vi - rscope Wait For Trigger.vi - rscope Scope Model.vi - rscope Scope Series.vi - rscope Scope Family.vi - rscope Set Fast Sweep Mode.vi - rscope Configure Error Checking.vi <p>* Modified:</p> <ul style="list-style-type: none"> - rscope Configure Time Base.vi - Reference range changed - rscope Configure Probe Micro Button Action added values.vi - new values - rscope Configure Trigger Input Probe Micro Button Action.vi - new values - rscope Configure Serial Bus Trigger Source.vi - new values - rscope Configure Trigger Qualification Multichannel Logic.vi - fixed function name - rscope Remove Waveform From Diagram.vi - removed values

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		<ul style="list-style-type: none"> - rscope Configure Measurement Source.vi - changed sources - rscope Configure Cursor.vi - new sources - rscope Configure State Trigger Search Qualification Multichannel Logic.vi - fixed function name - rscope Configure Pattern Trigger Search Qualification Multichannel Logic.vi - fixed function name - rscope Configure I2C Source.vi - removed sources - rscope Configure SPI Source.vi - removed sources - rscope Configure SPI Trigger Data Position.vi - index max default - rscope Configure UART Source.vi - removed sources - rscope Configure CAN Source.vi - removed sources - rscope Configure FlexRay Source.vi - removed sources - rscope Configure Audio Clock Line source.vi - removed sources - rscope Configure Audio WS Line source.vi - removed sources - rscope Configure Audio Data Line source.vi - removed sources - rscope Configure MIL1553 Source.vi - removed sources - rscope Configure ARINC 429 Source.vi - removed sources - rscope Configure RFFE Glitch Filter.vi - changed width - rscope Configure RFFE Timing.vi - changed min gap range - rscope Query RFFE Sequence Status.vi - new types - rscope Configure USB Source.vi - default value - rscope Configure NRZ Source.vi - added sources - rscope Configure EBTB Source.vi - added sources - rscope Configure DPHY Source.vi - removed sources - rscope Configure Space Wire Source.vi - command changed - rscope Configure Math Vertical Range.vi - changed range - rscope Configure Math Vertical Scale.vi - changed range - rscope Configure Math Vertical Offset.vi - changed range - rscope Configure FFT Magnitude.vi - changed reference level - rscope Configure Reference Waveform Source.vi - quick source removed - rscope Read Signals.vi - *CLS replaced with function Rs_ClearBeforeRead - rscope Configure CDR Hardware.vi - changed sources - rscope Set Status Register.vi - frequency added - rscope Get Status Register.vi - frequency added - rscope Configure Waveform Export Sources.vi - new sources - rscope Configure Space Wire Source.vi - command changed - rscope Configure Space Wire Threshold Preset.vi - command changed, values 0.1 V, 0.3 V, 2 V replaced with new values - rscope Configure Space Wire Threshold Coupling.vi - command changed - rscope Configure Space Wire Threshold.vi - command changed - rscope Configure Edge Trigger Source.vi - items added to Trigger Source parameter - rscope Configure Runt Trigger Source.vi - items added to Trigger Source parameter - rscope Configure Glitch Trigger Source.vi - items added to Trigger Source parameter

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		<ul style="list-style-type: none"> - rscope Configure Width Trigger Source.vi - items added to Trigger Source parameter - rscope Configure Window Trigger Source.vi - items added to Trigger Source parameter - rscope Configure Timeout Trigger Source.vi - items added to Trigger Source parameter - rscope Configure Interval Trigger Source.vi - items added to Trigger Source parameter - rscope Configure Slew Rate Trigger Source.vi - items added to Trigger Source parameter - rscope Configure Data2Clock Trigger Source.vi - items added to Trigger Source parameter - rscope Configure Serial Pattern Trigger Source.vi - items added to Trigger Source parameter - rscope Configure NFC Trigger.vi - items added to Trigger Source parameter - rscope Configure TV Trigger.vi - items added to Trigger Source parameter <p>* New attributes:</p> <ul style="list-style-type: none"> - Channel Invert (RSSCOPE_ATTR_CHANNEL_INVERT) - Waveform Acquisition Couple Channels Enabled (RSSCOPE_ATTR_WAVEFORM_ACQUISITION_COUPLE_CHANNELS_ENABLED) - Multiwaveform Acquisition Enabled (RSSCOPE_ATTR_MULTIWAVEFORM_ACQUISITION_ENABLED) - MPHY Trigger Type (RSSCOPE_ATTR_MPHY_TRIGGER_TYPE) - MPHY Trigger LCC Type (RSSCOPE_ATTR_MPHY_TRIGGER_LCC_TYPE) - MPHY Trigger Word One Condition (RSSCOPE_ATTR_MPHY_TRIGGER_WORD_ONE_CONDITION) - MPHY Trigger Word One Min (RSSCOPE_ATTR_MPHY_TRIGGER_WORD_ONE_MIN) - MPHY Trigger Word One Max (RSSCOPE_ATTR_MPHY_TRIGGER_WORD_ONE_MAX) - MPHY Trigger Word Two Condition (RSSCOPE_ATTR_MPHY_TRIGGER_WORD_TWO_CONDITION) - MPHY Trigger Word Two Min (RSSCOPE_ATTR_MPHY_TRIGGER_WORD_TWO_MIN) - MPHY Trigger Word Two Max (RSSCOPE_ATTR_MPHY_TRIGGER_WORD_TWO_MAX) - MPHY Trigger Word Three Condition (RSSCOPE_ATTR_MPHY_TRIGGER_WORD_THREE_CONDITION) - MPHY Trigger Word Three Min (RSSCOPE_ATTR_MPHY_TRIGGER_WORD_THREE_MIN) - MPHY Trigger Word Three Max (RSSCOPE_ATTR_MPHY_TRIGGER_WORD_THREE_MAX) - MPHY Trigger Word Four Condition (RSSCOPE_ATTR_MPHY_TRIGGER_WORD_FOUR_CONDITION) - MPHY Trigger Word Four Min (RSSCOPE_ATTR_MPHY_TRIGGER_WORD_FOUR_MIN) - MPHY Trigger Word Four Max (RSSCOPE_ATTR_MPHY_TRIGGER_WORD_FOUR_MAX) - MPHY Trigger TC Pattern (RSSCOPE_ATTR_MPHY_TRIGGER_TC_PATTERN) - MPHY Trigger Data Condition (RSSCOPE_ATTR_MPHY_TRIGGER_DATA_CONDITION) - MPHY Trigger Data Min (RSSCOPE_ATTR_MPHY_TRIGGER_DATA_MIN) - MPHY Trigger Data Max (RSSCOPE_ATTR_MPHY_TRIGGER_DATA_MAX) - MPHY Trigger Index Condition (RSSCOPE_ATTR_MPHY_TRIGGER_INDEX_CONDITION) - MPHY Trigger Index Min (RSSCOPE_ATTR_MPHY_TRIGGER_INDEX_MIN) - MPHY Trigger Index Max (RSSCOPE_ATTR_MPHY_TRIGGER_INDEX_MAX) - MPHY Trigger FSN Condition (RSSCOPE_ATTR_MPHY_TRIGGER_FSN_CONDITION) - MPHY Trigger FSN Min (RSSCOPE_ATTR_MPHY_TRIGGER_FSN_MIN) - MPHY Trigger FSN Max (RSSCOPE_ATTR_MPHY_TRIGGER_FSN_MAX) - MPHY Trigger CRC Condition (RSSCOPE_ATTR_MPHY_TRIGGER_CRC_CONDITION)

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		<ul style="list-style-type: none"> - MPHY Trigger CRC Min (RSSCOPE_ATTR_MPHY_TRIGGER_CRC_MIN) - MPHY Trigger CRC Max (RSSCOPE_ATTR_MPHY_TRIGGER_CRC_MAX) - MPHY Trigger CREQ Pattern (RSSCOPE_ATTR_MPHY_TRIGGER_CREQ_PATTERN) - MPHY Trigger RREQ Pattern (RSSCOPE_ATTR_MPHY_TRIGGER_RREQ_PATTERN) - MPHY Trigger Credit Condition (RSSCOPE_ATTR_MPHY_TRIGGER_CREDIT_CONDITION) - MPHY Trigger Credit Min (RSSCOPE_ATTR_MPHY_TRIGGER_CREDIT_MIN) - MPHY Trigger Credit Max (RSSCOPE_ATTR_MPHY_TRIGGER_CREDIT_MAX) - MPHY Trigger PACP Begin Condition (RSSCOPE_ATTR_MPHY_TRIGGER_PACP_BEGIN_CONDITION) - MPHY Trigger PACP Begin Min (RSSCOPE_ATTR_MPHY_TRIGGER_PACP_BEGIN_MIN) - MPHY Trigger PACP Begin Max (RSSCOPE_ATTR_MPHY_TRIGGER_PACP_BEGIN_MAX) - MPHY Trigger PACP ID Condition (RSSCOPE_ATTR_MPHY_TRIGGER_PACP_ID_CONDITION) - MPHY Trigger PACP ID Min (RSSCOPE_ATTR_MPHY_TRIGGER_PACP_ID_MIN) - MPHY Trigger PACP ID Max (RSSCOPE_ATTR_MPHY_TRIGGER_PACP_ID_MAX) - MPHY Trigger LCC Error (RSSCOPE_ATTR_MPHY_TRIGGER_LCC_ERROR) - MPHY Trigger Error Length (RSSCOPE_ATTR_MPHY_TRIGGER_ERROR_LENGTH) - MPHY Trigger Error Reserved (RSSCOPE_ATTR_MPHY_TRIGGER_ERROR_RESERVED) - MPHY Trigger Error Symbol (RSSCOPE_ATTR_MPHY_TRIGGER_ERROR_SYMBOL) - MPHY Trigger Error Unidentified UniPro Frame (RSSCOPE_ATTR_MPHY_TRIGGER_ERROR_UNIDENTIFIED_UNIPRO_FRAME) - Zone Logical Expression (RSSCOPE_ATTR_ZONE_LOGICAL_EXPRESSION) - Spectrum Absolute Threshold (RSSCOPE_ATTR_SPECTRUM_ABSOLUTE_THRESHOLD) - Reference Waveform Multichannel File Name (RSSCOPE_ATTR_REFERENCE_WAVEFORM_MULTICHANNEL_FILE_NAME) - Reference Waveform Multichannel Import (RSSCOPE_ATTR_REFERENCE_WAVEFORM_MULTICHANNEL_IMPORT) - Reference Waveform Multichannel Open (RSSCOPE_ATTR_REFERENCE_WAVEFORM_MULTICHANNEL_OPEN) - Search RFFE Interrupt Pattern (RSSCOPE_ATTR_SEARCH_RFFE_INTERRUPT_PATTERN) - Search SPI Mode (RSSCOPE_ATTR_SEARCH_SPI_MODE) - Search SPI Data Operator (RSSCOPE_ATTR_SEARCH_SPI_DATA_OPERATOR) - Search SPI MISO Pattern (RSSCOPE_ATTR_SEARCH_SPI_MISO_PATTERN) - Search SPI MOSI Pattern (RSSCOPE_ATTR_SEARCH_SPI_MOSI_PATTERN) - Search SPI Data Position Operator (RSSCOPE_ATTR_SEARCH_SPI_DATA_POSITION_OPERATOR) - Search SPI Data Position (RSSCOPE_ATTR_SEARCH_SPI_DATA_POSITION) - Search SPI Data Alignment (RSSCOPE_ATTR_SEARCH_SPI_DATA_ALIGNMENT) - Search SPI Data Position To (RSSCOPE_ATTR_SEARCH_SPI_DATA_POSITION_TO) - Search MPHY Type (RSSCOPE_ATTR_SEARCH_MPHY_TYPE) - Search MPHY LCC Type (RSSCOPE_ATTR_SEARCH_MPHY_LCC_TYPE) - Search MPHY Word One Condition (RSSCOPE_ATTR_SEARCH_MPHY_WORD_ONE_CONDITION) - Search MPHY Word One Min (RSSCOPE_ATTR_SEARCH_MPHY_WORD_ONE_MIN) - Search MPHY Word One Max (RSSCOPE_ATTR_SEARCH_MPHY_WORD_ONE_MAX)

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		<ul style="list-style-type: none"> - Search MPHY Word Two Condition (RSSCOPE_ATTR_SEARCH_MPHY_WORD_TWO_CONDITION) - Search MPHY Word Two Min (RSSCOPE_ATTR_SEARCH_MPHY_WORD_TWO_MIN) - Search MPHY Word Two Max (RSSCOPE_ATTR_SEARCH_MPHY_WORD_TWO_MAX) - Search MPHY Word Three Condition (RSSCOPE_ATTR_SEARCH_MPHY_WORD_THREE_CONDITION) - Search MPHY Word Three Min (RSSCOPE_ATTR_SEARCH_MPHY_WORD_THREE_MIN) - Search MPHY Word Three Max (RSSCOPE_ATTR_SEARCH_MPHY_WORD_THREE_MAX) - Search MPHY Word Four Condition (RSSCOPE_ATTR_SEARCH_MPHY_WORD_FOUR_CONDITION) - Search MPHY Word Four Min (RSSCOPE_ATTR_SEARCH_MPHY_WORD_FOUR_MIN) - Search MPHY Word Four Max (RSSCOPE_ATTR_SEARCH_MPHY_WORD_FOUR_MAX) - Search MPHY TC Pattern (RSSCOPE_ATTR_SEARCH_MPHY_TC_PATTERN) - Search MPHY Data Condition (RSSCOPE_ATTR_SEARCH_MPHY_DATA_CONDITION) - Search MPHY Data Min (RSSCOPE_ATTR_SEARCH_MPHY_DATA_MIN) - Search MPHY Data Max (RSSCOPE_ATTR_SEARCH_MPHY_DATA_MAX) - Search MPHY Index Condition (RSSCOPE_ATTR_SEARCH_MPHY_INDEX_CONDITION) - Search MPHY Index Min (RSSCOPE_ATTR_SEARCH_MPHY_INDEX_MIN) - Search MPHY Index Max (RSSCOPE_ATTR_SEARCH_MPHY_INDEX_MAX) - Search MPHY FSN Condition (RSSCOPE_ATTR_SEARCH_MPHY_FSN_CONDITION) - Search MPHY FSN Min (RSSCOPE_ATTR_SEARCH_MPHY_FSN_MIN) - Search MPHY FSN Max (RSSCOPE_ATTR_SEARCH_MPHY_FSN_MAX) - Search MPHY CRC Condition (RSSCOPE_ATTR_SEARCH_MPHY_CRC_CONDITION) - Search MPHY CRC Min (RSSCOPE_ATTR_SEARCH_MPHY_CRC_MIN) - Search MPHY CRC Max (RSSCOPE_ATTR_SEARCH_MPHY_CRC_MAX) - Search MPHY CREQ Pattern (RSSCOPE_ATTR_SEARCH_MPHY_CREQ_PATTERN) - Search MPHY RREQ Pattern (RSSCOPE_ATTR_SEARCH_MPHY_RREQ_PATTERN) - Search MPHY Credit Condition (RSSCOPE_ATTR_SEARCH_MPHY_CREDIT_CONDITION) - Search MPHY Credit Min (RSSCOPE_ATTR_SEARCH_MPHY_CREDIT_MIN) - Search MPHY Credit Max (RSSCOPE_ATTR_SEARCH_MPHY_CREDIT_MAX) - Search MPHY PACP Begin Condition (RSSCOPE_ATTR_SEARCH_MPHY_PACP_BEGIN_CONDITION) - Search MPHY PACP Begin Min (RSSCOPE_ATTR_SEARCH_MPHY_PACP_BEGIN_MIN) - Search MPHY PACP Begin Max (RSSCOPE_ATTR_SEARCH_MPHY_PACP_BEGIN_MAX) - Search MPHY PACP ID Condition (RSSCOPE_ATTR_SEARCH_MPHY_PACP_ID_CONDITION) - Search MPHY PACP ID Min (RSSCOPE_ATTR_SEARCH_MPHY_PACP_ID_MIN) - Search MPHY PACP ID Max (RSSCOPE_ATTR_SEARCH_MPHY_PACP_ID_MAX) - Search MPHY LCC Error (RSSCOPE_ATTR_SEARCH_MPHY_LCC_ERROR) - Search MPHY Error Length (RSSCOPE_ATTR_SEARCH_MPHY_ERROR_LENGTH) - Search MPHY Error Reserved (RSSCOPE_ATTR_SEARCH_MPHY_ERROR_RESERVED) - Search MPHY Error Symbol (RSSCOPE_ATTR_SEARCH_MPHY_ERROR_SYMBOL) - Search MPHY Error Unidentified UniPro Frame (RSSCOPE_ATTR_SEARCH_MPHY_ERROR_UNIDENTIFIED_UNIPRO_FRAME) - Protocol MDIO Max Gap Time (RSSCOPE_ATTR_PROTOCOL_MDIO_MAX_GAP_TIME)

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		<ul style="list-style-type: none"> - Protocol NRZ Enable Source (RSSCOPE_ATTR_PROTOCOL_NRZ_ENABLE_SOURCE) - Protocol NRZ ENA Polarity (RSSCOPE_ATTR_PROTOCOL_NRZ_ENA_POLARITY) - Protocol NRZ Threshold Value (RSSCOPE_ATTR_PROTOCOL_NRZ_THRESHOLD_VALUE) - Protocol MPHY (RSSCOPE_ATTR_PROTOCOL_MPHY) - Protocol MPHY Data Lanes (RSSCOPE_ATTR_PROTOCOL_MPHY_DATA_LANES) - Protocol MPHY Data Source Zero (RSSCOPE_ATTR_PROTOCOL_MPHY_DATA_SOURCE_ZERO) - Protocol MPHY Data Source One (RSSCOPE_ATTR_PROTOCOL_MPHY_DATA_SOURCE_ONE) - Protocol MPHY Data Source Two (RSSCOPE_ATTR_PROTOCOL_MPHY_DATA_SOURCE_TWO) - Protocol MPHY Data Source Three (RSSCOPE_ATTR_PROTOCOL_MPHY_DATA_SOURCE_THREE) - Protocol MPHY Threshold Zero (RSSCOPE_ATTR_PROTOCOL_MPHY_THRESHOLD_ZERO) - Protocol MPHY Threshold One (RSSCOPE_ATTR_PROTOCOL_MPHY_THRESHOLD_ONE) - Protocol MPHY Threshold Two (RSSCOPE_ATTR_PROTOCOL_MPHY_THRESHOLD_TWO) - Protocol MPHY Threshold Three (RSSCOPE_ATTR_PROTOCOL_MPHY_THRESHOLD_THREE) - Protocol MPHY Threshold Coupling Enabled (RSSCOPE_ATTR_PROTOCOL_MPHY_THRESHOLD_COUPLING_ENABLED) - Protocol MPHY Threshold Preset (RSSCOPE_ATTR_PROTOCOL_MPHY_THRESHOLD_PRESET) - Protocol MPHY Frame Count (RSSCOPE_ATTR_PROTOCOL_MPHY_FRAME_COUNT) - Spectrum Analysis X Scaling (RSSCOPE_ATTR_SPECTRUM_ANALYSIS_X_SCALING) - Spectrum Analysis Waveform Data Signal Type (RSSCOPE_ATTR_SPECTRUM_ANALYSIS_WAVEFORM_DATA_SIGNAL_TYPE) - Spectrum Analysis Color Table Mode (RSSCOPE_ATTR_SPECTRUM_ANALYSIS_COLOR_TABLE_MODE) - Spectrum Analysis Use Color Table (RSSCOPE_ATTR_SPECTRUM_ANALYSIS_USE_COLOR_TABLE) - Spectrum Analysis Spectrogram Enabled (RSSCOPE_ATTR_SPECTRUM_ANALYSIS_SPECTROGRAM_ENABLED) - Spectrum Analysis Coupled Spectrum (RSSCOPE_ATTR_SPECTRUM_ANALYSIS_COUPLED_SPECTRUM) - Spectrum Analysis Timeline Enabled (RSSCOPE_ATTR_SPECTRUM_ANALYSIS_TIMELINE_ENABLED) - Spectrum Analysis Timeline Position (RSSCOPE_ATTR_SPECTRUM_ANALYSIS_TIMELINE_POSITION) - Display Gate Transparency (RSSCOPE_ATTR_DISPLAY_GATE_TRANSPARENCY) - Scope Model (RSSCOPE_ATTR_SCOPE_MODEL) - Scope Series (RSSCOPE_ATTR_SCOPE_SERIES) - Scope Family (RSSCOPE_ATTR_SCOPE_FAMILY) <p>* Modified attributes:</p> <ul style="list-style-type: none"> - Horizontal Time Per Record (RSSCOPE_ATTR_HORZ_TIME_PER_RECORD) - Range changed. - Horizontal Record Length Limit (RSSCOPE_ATTR_HORZ_RECORD_LENGTH_LIMIT) - Range changed. - Horizontal Scale (RSSCOPE_ATTR_HORZ_SCALE) - Range changed. - Probe Micro Button Action (RSSCOPE_ATTR_PROBE_MICRO_BUTTON_ACTION) - New values.

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		<ul style="list-style-type: none"> - Probe Attenuation Manual (RSSCOPE_ATTR_PROBE_ATTENUATION_MANUAL) - Range changed. - Probe Gain Manual (RSSCOPE_ATTR_PROBE_GAIN_MANUAL) - Changed default - Probe Predefined Current Probe (RSSCOPE_ATTR_PROBE_PREDEFINED_CURRENT_PROBE) - ZC30 added. - Trigger Input Probe Micro Button Action (RSSCOPE_ATTR_TRIGGER_PROBE_MICRO_BUTTON_ACTION) - New values. - Channel Bandwidth Limit (RSSCOPE_ATTR_CHANNEL_BANDWIDTH_LIMIT) - Values removed. - Trigger Type (RSSCOPE_ATTR_TRIGGER_TYPE) - Analog edge added. - Interval Polarity (RSSCOPE_ATTR_INTERVAL_POLARITY) - Command changed - Serial Pattern Source (RSSCOPE_ATTR_SERIAL_PATTERN_SOURCE) - Range table changed. - Protocol USB Trigger Type (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_TYPE) - Reset command string changed. - Cursor Source (RSSCOPE_ATTR_CURSOR_SOURCE) - Range table modified - Cursor X Position (RSSCOPE_ATTR_CURSOR_X_POSITION) - Range changed. - Jitter Clock Measurement Cycle Offset (RSSCOPE_ATTR_JITTER_CLOCK_MEASUREMENT_CYCLE_OFFSET) - Command changed from MEASurement:JITTer:COFFset - Spectrum Noise Reject (RSSCOPE_ATTR_SPECTRUM_NOISE_REJECT) - Changed command form NRE to THR. - Spectrum Peak Excursion (RSSCOPE_ATTR_SPECTRUM_PEAK_EXCURSION) - Changed command form NRE to THR. - Gating Relative Start (RSSCOPE_ATTR_GATING_RELATIVE_START) - Range added. - Gating Relative Stop (RSSCOPE_ATTR_GATING_RELATIVE_STOP) - Range changed. - User Reference Relative Upper Level (RSSCOPE_ATTR_USER_REFERENCE_RELATIVE_UPPER_LEVEL) - Range. - User Reference Relative Middle Level (RSSCOPE_ATTR_USER_REFERENCE_RELATIVE_MIDDLE_LEVEL) - Range. - User Reference Relative Lower Level (RSSCOPE_ATTR_USER_REFERENCE_RELATIVE_LOWER_LEVEL) - Range - User Reference Hysteresis (RSSCOPE_ATTR_USER_REFERENCE_HYSTERESIS) - Data type changed from ViInt32 (int) to ViReal64 (double) - Tube Relative Inner Distance (RSSCOPE_ATTR_TUBE_RELATIVE_INNER_DISTANCE) - Range table was modified. - Math Vertical Range (RSSCOPE_ATTR_MATH_VERTICAL_RANGE) - Range table was modified. - Math Vertical Offset (RSSCOPE_ATTR_MATH_VERTICAL_OFFSET) - Range table was modified. - Math Acquired Waveforms (RSSCOPE_ATTR_MATH_ACQUIRED_WAVEFORMS) - Command changed. - FFT Magnitude Unit (RSSCOPE_ATTR_FFT_MAGNITUDE_UNIT) - New values. - FFT Gate Relative Start (RSSCOPE_ATTR_FFT_GATE_RELATIVE_START) - Range added. - FFT Gate Relative Stop (RSSCOPE_ATTR_FFT_GATE_RELATIVE_STOP) - Range added. - Search Trigger Interval Polarity (RSSCOPE_ATTR_SEARCH_TRIGGER_INTERVAL_POLARITY) - Command changed. - Search CAN Start Of Frame Enabled (RSSCOPE_ATTR_SEARCH_CAN_START_OF_FRAME_ENABLED) - Command long form updated. - Search FlexRay Start Of Frame Enabled

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		<p>(RSSCOPE_ATTR_SEARCH_FLEXRAY_START_OF_FRAME_ENABLED) - Command long form updated.</p> <ul style="list-style-type: none"> - Protocol Type (RSSCOPE_ATTR_PROTOCOL_TYPE) - New values. - Protocol SPI MOSI Source (RSSCOPE_ATTR_PROTOCOL_SPI_MOSI_SOURCE) - Range table was modified. - Protocol CAN Sample Point Abs (RSSCOPE_ATTR_PROTOCOL_CAN_SAMPLE_POINT_ABS) - Range added. - Protocol SENT Data Source (RSSCOPE_ATTR_PROTOCOL_SENT_DATA_SOURCE) - Range table was modified. - Protocol Space Wire Strobe Source (RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_STROBE_SOURCE) - Command changed - Protocol Space Wire Data Source (RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_DATA_SOURCE) - Command changed. - Protocol Space Wire Threshold Preset (RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_THRESHOLD_PRESET) - Command changed. Removed some values, added some values. - Protocol Space Wire Threshold Coupling (RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_THRESHOLD_COUPLING) - Command changed. - Protocol Space Wire Strobe Threshold (RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_STROBE_THRESHOLD) - Command changed. - Protocol Space Wire Data Threshold (RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_DATA_THRESHOLD) - Command changed. - Power Current Harmonics EN Frequency (RSSCOPE_ATTR_POWER_CURRENT_HARMONICS_EN_FREQUENCY) - Only values F400 and F60 remains. - Power Current Harmonics DO Frequency (RSSCOPE_ATTR_POWER_CURRENT_HARMONICS_DO_FREQUENCY) - Only values F400 and F60 remains. - Power Ripple Frequency (RSSCOPE_ATTR_POWER_RIPPLE_FREQUENCY) - Range changed - Transient Response Trigger Level (RSSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_TRIGGER_LEVEL) - Changed range. - Transient Response Tube Tolerance (RSSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_TUBE_TOLERANCE) - Min changed. - Transient Response Signal High (RSSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_SIGNAL_HIGH) - Range changed - Transient Response Signal Low (RSSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_SIGNAL_LOW) - Range changed. - CDR Software Bit Rate (RSSCOPE_ATTR_CDR_SOFTWARE_BIT_RATE) - Min changed. - ID Query Response (RSSCOPE_ATTR_ID_QUERY_RESPONSE) - SCPI Command added, changed to read-only. - ID Query Response (RSSCOPE_ATTR_IDN_QUERY_RESPONSE) - SCPI Command added, changed to read-only. <p>* Modified Repeated Capabilities:</p> <ul style="list-style-type: none"> - QRegister - Identifiers ("RegChannelOverload,RegTemp,RegLimit,RegMargin,RegMask,ADCState,Frequency", "RegChannelOverload,RegTemp,RegLimit,RegMargin,RegMask,ADCState")

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		<p>- QRegister - Command Values ("COV,TEMP,LIM,MARG,MASK,ADCS,FREQ", "COV,TEMP,LIM,MARG,MASK,ADCS")</p> <p>* Modified Range Tables:</p> <p>- rscope_rngHorzReference - RSSCOPE_ATTR_HORZ_REFERENCE Range changed to <0;100></p> <p>- rscope_rngHorzRecordSelection.RSSCOPE_VAL_RECORD_TIME - RSSCOPE_ATTR_HORZ_RECORD_SELECTION Help changed ("Record Length", "Record Time")</p> <p>- rscope_rngHorzRecordSelection.RSSCOPE_VAL_RECORD_TIME - RSSCOPE_ATTR_HORZ_RECORD_SELECTION Description changed ("Record Length", "Record Time")</p> <p>- rscope_rngTriggerSequence - RSSCOPE_ATTR_TRIGGER_SEQUENCE_MODE New items: RSSCOPE_VAL_SEQ_AZ, RSSCOPE_VAL_SEQ_ABRZ</p> <p>- rscope_rngEyeJitterMeasurementType.RSSCOPE_VAL_MEAS_RMS_NOISE - RSSCOPE_ATTR_EYE_MAIN_MEASUREMENT Help changed ("RMS Noise", "Noise in RMS")</p> <p>- rscope_rngEyeJitterMeasurementType.RSSCOPE_VAL_MEAS_RMS_NOISE - RSSCOPE_ATTR_EYE_MAIN_MEASUREMENT Description changed ("RMS Noise", "Noise in RMS")</p> <p>- rscope_rngSpectrumMeasurementType.RSSCOPE_VAL_MEAS_HAR - RSSCOPE_ATTR_SPECTRUM_MAIN_MEASUREMENT Help changed ("Harmonic Search", "Harmonic search")</p> <p>- rscope_rngProbabilityType.RSSCOPE_VAL_PROBABILITY_UPPK - RSSCOPE_ATTR_HISTOGRAM_PROBABILITY_TYPE Description changed ("Upper Peak", "UPPK")</p> <p>- rscope_rngProbabilityType.RSSCOPE_VAL_PROBABILITY_LWPK - RSSCOPE_ATTR_HISTOGRAM_PROBABILITY_TYPE Description changed ("Lower Peak", "LWPK")</p> <p>- rscope_rngLimitType.RSSCOPE_VAL_LIMIT_MARGIN - RSSCOPE_ATTR_MEASUREMENT_LIMIT_TYPE Description changed ("Limits And Margins", "Limits and Margins")</p> <p>- rscope_rngFFTReferenceLevel - RSSCOPE_ATTR_FFT_REFERENCE_LEVEL Range changed to <-100.0e+24;1.0e+15></p> <p>- rscope_rngHysteresis - RSSCOPE_ATTR_USER_REFERENCE_HYSTERESIS Range changed to <0.0;50.0></p> <p>- rscope_rngHysteresis - RSSCOPE_ATTR_USER_REFERENCE_HYSTERESIS Changed data type ("ViReal64", "ViInt32")</p> <p>- rscope_rngProbeButtonAction.RSSCOPE_VAL_PROBE_BUTTON_RUN_CONTINUOUS - RSSCOPE_ATTR_PROBE_MICRO_BUTTON_ACTION, RSSCOPE_ATTR_TRIGGER_PROBE_MICRO_BUTTON_ACTION Description changed ("Run Continuous", "Run Continues")</p> <p>- rscope_rngProbeButtonAction - RSSCOPE_ATTR_PROBE_MICRO_BUTTON_ACTION, RSSCOPE_ATTR_TRIGGER_PROBE_MICRO_BUTTON_ACTION</p>

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		<p>New items: RSSCOPE_VAL_PROBE_BUTTON_PROBEMODE</p> <ul style="list-style-type: none"> - rscope_rngProtocolWaveformSource - RSSCOPE_ATTR_PROTOCOL_I2C_SOURCE, RSSCOPE_ATTR_PROTOCOL_I2C_SCL_SOURCE, RSSCOPE_ATTR_PROTOCOL_I2C_SDA_SOURCE, RSSCOPE_ATTR_PROTOCOL_SPI_SOURCE, RSSCOPE_ATTR_PROTOCOL_SPI_CLOCK_SOURCE, RSSCOPE_ATTR_PROTOCOL_SPI_MOSI_SOURCE, RSSCOPE_ATTR_PROTOCOL_SPI_MISO_SOURCE, RSSCOPE_ATTR_PROTOCOL_SPI_SLAVE_SELECT_SOURCE, RSSCOPE_ATTR_PROTOCOL_UART_SOURCE, RSSCOPE_ATTR_PROTOCOL_UART_RX_SOURCE, RSSCOPE_ATTR_PROTOCOL_UART_TX_SOURCE, RSSCOPE_ATTR_PROTOCOL_LIN_SOURCE, RSSCOPE_ATTR_PROTOCOL_CAN_SOURCE, RSSCOPE_ATTR_PROTOCOL_FLEXRAY_SOURCE, RSSCOPE_ATTR_PROTOCOL_AUDIO_SOURCE, RSSCOPE_ATTR_PROTOCOL_AUDIO_CLOCK_SOURCE, RSSCOPE_ATTR_PROTOCOL_AUDIO_WS_SOURCE, RSSCOPE_ATTR_PROTOCOL_AUDIO_DATA_SOURCE, RSSCOPE_ATTR_PROTOCOL_RFFE_CLOCK_SOURCE, RSSCOPE_ATTR_PROTOCOL_RFFE_DATA_SOURCE, RSSCOPE_ATTR_PROTOCOL_MDIO_CLOCK_SOURCE, RSSCOPE_ATTR_PROTOCOL_MDIO_DATA_SOURCE, RSSCOPE_ATTR_PROTOCOL_ETHERNET_SOURCE, RSSCOPE_ATTR_PROTOCOL_MANCHESTER_DATA_SOURCE, RSSCOPE_ATTR_PROTOCOL_NRZ_DATA_SOURCE, RSSCOPE_ATTR_PROTOCOL_NRZ_CLOCK_SOURCE, RSSCOPE_ATTR_PROTOCOL_SENT_DATA_SOURCE <p>Deleted items: RSSCOPE_VAL_PROTOCOL_WAV_QUICK</p> <ul style="list-style-type: none"> - rscope_rngProtocolType - RSSCOPE_ATTR_PROTOCOL_TYPE <p>New items: RSSCOPE_VAL_MPHY</p> <ul style="list-style-type: none"> - rscope_rngProtocolSPITriggerType.RSSCOPE_VAL_SPI_TRIGGER_MOMI - RSSCOPE_ATTR_PROTOCOL_SPI_TRIGGER_MODE, RSSCOPE_ATTR_SEARCH_SPI_MODE <p>Description changed ("MOMI", "MOSI/MISO")</p> <ul style="list-style-type: none"> - rscope_rngProtocolSPITriggerOffset - RSSCOPE_ATTR_PROTOCOL_SPI_TRIGGER_DATA_INDEX_MIN, RSSCOPE_ATTR_PROTOCOL_SPI_TRIGGER_DATA_INDEX_MAX <p>Range changed to <1;4095></p> <ul style="list-style-type: none"> - rscope_rngCalibrationSourceFrequency.RSSCOPE_VAL_CALIBRATION_FREQUENCY_MHZ10 - RSSCOPE_ATTR_CALIBRATION_SOURCE_FREQUENCY <p>Description changed ("10 MHz", "10 MHz square wave")</p> <ul style="list-style-type: none"> - rscope_rngCalibrationSourceFrequency.RSSCOPE_VAL_CALIBRATION_FREQUENCY_GHZ1 - RSSCOPE_ATTR_CALIBRATION_SOURCE_FREQUENCY <p>Description changed ("1 GHz", "1 GHz sine wave")</p> <ul style="list-style-type: none"> - rscope_rngAttUnits.RSSCOPE_VAL_ATT_V - RSSCOPE_ATTR_PROBE_VERTICAL_UNIT, RSSCOPE_ATTR_TRIGGER_PROBE_VERTICAL_UNIT <p>Description changed ("Volt", "Voltage")</p> <ul style="list-style-type: none"> - rscope_rngAttUnits.RSSCOPE_VAL_ATT_A - RSSCOPE_ATTR_PROBE_VERTICAL_UNIT, RSSCOPE_ATTR_TRIGGER_PROBE_VERTICAL_UNIT <p>Description changed ("Ampere", "Current")</p> <ul style="list-style-type: none"> - rscope_rngAttUnits.RSSCOPE_VAL_ATT_W - RSSCOPE_ATTR_PROBE_VERTICAL_UNIT, RSSCOPE_ATTR_TRIGGER_PROBE_VERTICAL_UNIT <p>Description changed ("Watt", "Power")</p>

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		<ul style="list-style-type: none"> - rscope_rngCursor.RSSCOPE_VAL_CURSOR_1 - RSSCOPE_ATTR_WAVEFORM_EXPORT_SCOPE_CURSOR Description changed ("1", "Cursor 1") - rscope_rngCursor.RSSCOPE_VAL_CURSOR_2 - RSSCOPE_ATTR_WAVEFORM_EXPORT_SCOPE_CURSOR Description changed ("2", "Cursor 2") - rscope_rngCursor.RSSCOPE_VAL_CURSOR_3 - RSSCOPE_ATTR_WAVEFORM_EXPORT_SCOPE_CURSOR Description changed ("3", "Cursor 3") - rscope_rngCursor.RSSCOPE_VAL_CURSOR_4 - RSSCOPE_ATTR_WAVEFORM_EXPORT_SCOPE_CURSOR Description changed ("4", "Cursor 4") - rscope_rngAudioVariant.RSSCOPE_VAL_AUDIO_VARIANT_I2S - RSSCOPE_ATTR_PROTOCOL_AUDIO_VARIANT Description changed ("I2S Standard", "Inter-IC") - rscope_rngAudioVariant.RSSCOPE_VAL_AUDIO_VARIANT_TDM - RSSCOPE_ATTR_PROTOCOL_AUDIO_VARIANT Description changed ("TDM", "Time Division Multiplexed") - rscope_rngMathVerticalScale - RSSCOPE_ATTR_MATH_VERTICAL_SCALE Range changed to <1.0e-12;100.0e+12> - rscope_rngCDRHardwareSource - RSSCOPE_ATTR_CDR_HARDWARE_SOURCE New items: RSSCOPE_VAL_C1, RSSCOPE_VAL_C2, RSSCOPE_VAL_C3, RSSCOPE_VAL_C4 - RsScope_rngPowerCurrentHarmonicsVoltageResultsDisplay.RSSCOPE_VAL_CURRENT_HARMONICS_VOLTDISP - RSSCOPE_ATTR_POWER_CURRENT_HARMONICS_EVALUATION_VOLT Description changed ("Opposite voltage harmonic result displayed", "Voltage display") - RsScope_rngTransientResponseTriggerSource.RSSCOPE_VAL_POWER_TR_TRIGGER_CHAN1 - RSSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_TRIGGER_SOURCE Description changed ("Channel 1", "Input channel 1") - RsScope_rngTransientResponseTriggerSource.RSSCOPE_VAL_POWER_TR_TRIGGER_CHAN2 - RSSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_TRIGGER_SOURCE Description changed ("Channel 2", "Input channel 2") - RsScope_rngTransientResponseTriggerSource.RSSCOPE_VAL_POWER_TR_TRIGGER_CHAN3 - RSSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_TRIGGER_SOURCE Description changed ("Channel 3", "Input channel 3") - RsScope_rngTransientResponseTriggerSource.RSSCOPE_VAL_POWER_TR_TRIGGER_CHAN4 - RSSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_TRIGGER_SOURCE Description changed ("Channel 4", "Input channel 4") - rscope_rngProtocolDataIndexOperator.RSSCOPE_VAL_COND_IN - RSSCOPE_ATTR_MANCHESTER_NRZ_TRIGGER_INDEX_CONDITION Description changed ("In range", "In Range") - rscope_rngProtocolMIL1553TriggerCommandTransmitReceive.RSSCOPE_VAL_MIL1553_TRIGGER_COMMAND_TR_ZERO - RSSCOPE_ATTR_PROTOCOL_MIL1553_TRIGGER_COMMAND_TRANSMIT_RECEIVE,

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		<p>RSSCOPE_ATTR_SEARCH_MIL1553_COMMAND_TRANSMIT_RECEIVE</p> <p>Description changed ("Receive", "Zero")</p> <p>-</p> <p>rscope_rngProtocolMIL1553TriggerCommandTransmitReceive.RSSCOPE_VAL_MIL1553_TRIGGER_COMMAND_TR_ONE -</p> <p>RSSCOPE_ATTR_PROTOCOL_MIL1553_TRIGGER_COMMAND_TRANSMIT_RECEIVE, RSSCOPE_ATTR_SEARCH_MIL1553_COMMAND_TRANSMIT_RECEIVE</p> <p>Description changed ("Transmit", "One")</p> <p>-</p> <p>rscope_rngProtocolMIL1553TriggerCommandTransmitReceive.RSSCOPE_VAL_MIL1553_TRIGGER_COMMAND_TR_DC -</p> <p>RSSCOPE_ATTR_PROTOCOL_MIL1553_TRIGGER_COMMAND_TRANSMIT_RECEIVE, RSSCOPE_ATTR_SEARCH_MIL1553_COMMAND_TRANSMIT_RECEIVE</p> <p>Description changed ("Either", "DC")</p> <p>- rscope_rngProtocolARINC429DataOperator.RSSCOPE_VAL_COND_IN -</p> <p>RSSCOPE_ATTR_PROTOCOL_ARINC429_TRIGGER_DATA_PATTERN_CONDITION, RSSCOPE_ATTR_SEARCH_ARINC429_DATA_PATTERN_CONDITION</p> <p>Description changed ("In Range", "In range")</p> <p>- rscope_rngProtocolARINC429DataOperator.RSSCOPE_VAL_COND_OUT -</p> <p>RSSCOPE_ATTR_PROTOCOL_ARINC429_TRIGGER_DATA_PATTERN_CONDITION, RSSCOPE_ATTR_SEARCH_ARINC429_DATA_PATTERN_CONDITION</p> <p>Description changed ("Out Of Range", "Out of range")</p> <p>- RsScope_rngProtocolCANTriggerDLCCCondition.RSSCOPE_VAL_COND_GE -</p> <p>RSSCOPE_ATTR_PROTOCOL_CAN_TRIGGER_DLC_CONDITION</p> <p>Description changed (">=", ">")</p> <p>- rscope_rngProtocolCANPositionCondition.RSSCOPE_VAL_COND_GE -</p> <p>RSSCOPE_ATTR_PROTOCOL_CAN_TRIGGER_POSITION_CONDITION, RSSCOPE_ATTR_SEARCH_CAN_POSITION_CONDITION</p> <p>Description changed (">=", ">")</p> <p>- rscope_rngProtocolCANPositionCondition.RSSCOPE_VAL_COND_IN -</p> <p>RSSCOPE_ATTR_PROTOCOL_CAN_TRIGGER_POSITION_CONDITION, RSSCOPE_ATTR_SEARCH_CAN_POSITION_CONDITION</p> <p>Description changed ("In range", "In Range")</p> <p>- rscope_rngProtocolRFFEMinGapTime - RSSCOPE_ATTR_PROTOCOL_RFFE_MIN_GAP_TIME</p> <p>Range changed to <10.0E-9;10.0E-6></p> <p>- rscope_rngProtocolRFFEGlitchFilterWidth -</p> <p>RSSCOPE_ATTR_PROTOCOL_RFFE_GLITCH_FILTER_WIDTH</p> <p>Range changed to <10.0E-12;10.0E-9></p> <p>- rscope_rngProtocolRFFESequenceType -</p> <p>New items: RSSCOPE_VAL_RFFE_SEQUENCE_TYPE_MASR, RSSCOPE_VAL_RFFE_SEQUENCE_TYPE_MASW, RSSCOPE_VAL_RFFE_SEQUENCE_TYPE_MASOHO, RSSCOPE_VAL_RFFE_SEQUENCE_TYPE_IRSUM, RSSCOPE_VAL_RFFE_SEQUENCE_TYPE_UNDEF</p> <p>- RsScope_rngSpaceWireMinGap - RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_MIN_GAP</p> <p>Range changed to <1E-9;10E-6></p> <p>- RsScope_rngSpaceWireThresholdPreset -</p>

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		<p>RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_THRESHOLD_PRESET</p> <p>New items: RSSCOPE_VAL_SPACE_WIRE_THRESHOLD_PRESET_V0, RSSCOPE_VAL_SPACE_WIRE_THRESHOLD_PRESET_V12, RSSCOPE_VAL_SPACE_WIRE_THRESHOLD_PRESET_V09, RSSCOPE_VAL_SPACE_WIRE_THRESHOLD_PRESET_V125, RSSCOPE_VAL_SPACE_WIRE_THRESHOLD_PRESET_V165, RSSCOPE_VAL_SPACE_WIRE_THRESHOLD_PRESET_25</p> <p>- RsScope_rngSpaceWireThresholdPreset - RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_THRESHOLD_PRESET</p> <p>Deleted items: RSSCOPE_VAL_SPACE_WIRE_THRESHOLD_PRESET_V01, RSSCOPE_VAL_SPACE_WIRE_THRESHOLD_PRESET_V03, RSSCOPE_VAL_SPACE_WIRE_THRESHOLD_PRESET_V2</p> <p>- rscope_rngTriggerSource - RSSCOPE_ATTR_TRIGGER_SOURCE</p> <p>New items: RSSCOPE_VAL_D0, RSSCOPE_VAL_D1, RSSCOPE_VAL_D2, RSSCOPE_VAL_D3, RSSCOPE_VAL_D4, RSSCOPE_VAL_D5, RSSCOPE_VAL_D6, RSSCOPE_VAL_D7, RSSCOPE_VAL_D8, RSSCOPE_VAL_D9, RSSCOPE_VAL_D10, RSSCOPE_VAL_D11, RSSCOPE_VAL_D12, RSSCOPE_VAL_D13, RSSCOPE_VAL_D14, RSSCOPE_VAL_D15, RSSCOPE_VAL_LOGIC, RSSCOPE_VAL_MSOB1, RSSCOPE_VAL_MSOB2, RSSCOPE_VAL_MSOB3, RSSCOPE_VAL_MSOB4</p>
3.0.2	09/2016	<p>* Fixed:</p> <p>- fixed bugs for attributes using callbacks</p>
3.0.1	08/2016	<p>* Modified:</p> <p>- rscope Configure Measurement Source.vi - bug fixed</p> <p>- rscope Configure Edge Trigger Source.vi - added Line as Trigger Source</p> <p>- rscope Error Query.vi - reads out all errors from the instrument</p>
3.0.0	05/2016	<p>* New Subsystems</p> <ul style="list-style-type: none"> - D-PHY - Space Wire - Reports - Autonaming <p>* New:</p> <ul style="list-style-type: none"> - rscope Query Number Of Acquisitions.vi - rscope Query History Time Reference.vi - rscope Configure Gate Definition Cursor.vi - rscope Power Quality Custom Frequency.vi - rscope Configure Waveform Export Timestamps.vi - rscope Clear Status.vi - rscope ID Query Response.vi - rscope Process All Previous Commands.vi - rscope Query OPC.vi <p>* Modified:</p>

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		<ul style="list-style-type: none"> - rscope Configure Record Length Limit.vi - range changed - rscope Configure Probe Micro Button Action.vi - new values - rscope Configure Trigger Input Probe Micro Button Action.vi - new values - rscope Configure Serial Bus Trigger Source.vi - new values - rscope Configure Amplitude Time Slope.vi - new count type - rscope Configure Reference Level Relative User Levels.vi - ranges changed - rscope Configure Math Reset Mode.vi - command changed - rscope Query Cursor Distance.vi - using proper attributes - rscope Configure Cursor Envelope Waveform Selection.vi - using proper attributes - rscope Query CAN Frame All Data.vi - fixed result parsing - rscope Query CAN Search Frame All Data.vi - fixed result parsing - rscope Query FlexRay Frame All Data.vi - fixed result parsing - rscope Query FlexRay Search Frame All Data.vi - fixed result parsing - rscope Query I2C Frame All Data.vi - fixed result parsing - rscope Query I2C Search Frame All Data.vi - fixed result parsing - rscope Query LIN Frame All Data.vi - fixed result parsing - rscope Query LIN Search Frame All Data.vi - fixed result parsing - rscope Query SENT Frame All Data.vi - fixed result parsing - rscope Query SENT Search Frame All Data.vi - fixed result parsing - rscope Query Ethernet Word All Data.vi - fixed result parsing - rscope Query Ethernet Search Word All Data.vi - fixed result parsing - rscope Query EBTB Symbol Data Bytes.vi - fixed result parsing - rscope Query EBTB Search Symbol Data Bytes.vi - fixed result parsing - rscope Query USB Packet All Data.vi - fixed result parsing - rscope Query USB Search Packet All Data.vi - fixed result parsing <p>* New attributes:</p> <ul style="list-style-type: none"> - Number Of Acquisitions (RSSCOPE_ATTR_NUMBER_OF_ACQUISITIONS) - DPHY Trigger Type (RSSCOPE_ATTR_DPHY_TRIGGER_TYPE) - DPHY Trigger Virtual Channel (RSSCOPE_ATTR_DPHY_TRIGGER_VIRTUAL_CHANNEL) - DPHY Trigger Data Type Condition (RSSCOPE_ATTR_DPHY_TRIGGER_DATA_TYPE_CONDITION) - DPHY Trigger Data Type Min (RSSCOPE_ATTR_DPHY_TRIGGER_DATA_TYPE_MIN) - DPHY Trigger Data Type Max (RSSCOPE_ATTR_DPHY_TRIGGER_DATA_TYPE_MAX) - DPHY Trigger Word Count Condition (RSSCOPE_ATTR_DPHY_TRIGGER_WORD_COUNT_CONDITION) - DPHY Trigger Word Count Min (RSSCOPE_ATTR_DPHY_TRIGGER_WORD_COUNT_MIN) - DPHY Trigger Word Count Max (RSSCOPE_ATTR_DPHY_TRIGGER_WORD_COUNT_MAX) - DPHY Trigger High Speed Data Condition (RSSCOPE_ATTR_DPHY_TRIGGER_HIGH_SPEED_DATA_CONDITION) - DPHY Trigger High Speed Data Min (RSSCOPE_ATTR_DPHY_TRIGGER_HIGH_SPEED_DATA_MIN) - DPHY Trigger High Speed Data Max (RSSCOPE_ATTR_DPHY_TRIGGER_HIGH_SPEED_DATA_MAX)

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		<ul style="list-style-type: none"> - DPHY Trigger Low Power Escape Mode Data Condition (RSSCOPE_ATTR_DPHY_TRIGGER_LOW_POWER_ESCAPE_MODE_DATA_CONDITION) - DPHY Trigger Low Power Escape Mode Data Min (RSSCOPE_ATTR_DPHY_TRIGGER_LOW_POWER_ESCAPE_MODE_DATA_MIN) - DPHY Trigger Low Power Escape Mode Data Max (RSSCOPE_ATTR_DPHY_TRIGGER_LOW_POWER_ESCAPE_MODE_DATA_MAX) - DPHY Trigger High Speed Data Index Condition (RSSCOPE_ATTR_DPHY_TRIGGER_HIGH_SPEED_DATA_INDEX_CONDITION) - DPHY Trigger High Speed Data Index Min (RSSCOPE_ATTR_DPHY_TRIGGER_HIGH_SPEED_DATA_INDEX_MIN) - DPHY Trigger High Speed Data Index Max (RSSCOPE_ATTR_DPHY_TRIGGER_HIGH_SPEED_DATA_INDEX_MAX) - DPHY Trigger Low Power Escape Mode Data Index Condition (RSSCOPE_ATTR_DPHY_TRIGGER_LOW_POWER_ESCAPE_MODE_DATA_INDEX_CONDITION) - DPHY Trigger Low Power Escape Mode Data Index Min (RSSCOPE_ATTR_DPHY_TRIGGER_LOW_POWER_ESCAPE_MODE_DATA_INDEX_MIN) - DPHY Trigger Low Power Escape Mode Data Index Max (RSSCOPE_ATTR_DPHY_TRIGGER_LOW_POWER_ESCAPE_MODE_DATA_INDEX_MAX) - DPHY Trigger Escape Mode Condition (RSSCOPE_ATTR_DPHY_TRIGGER_ESCAPE_MODE_CONDITION) - DPHY Trigger Escape Mode Min (RSSCOPE_ATTR_DPHY_TRIGGER_ESCAPE_MODE_MIN) - DPHY Trigger Escape Mode Max (RSSCOPE_ATTR_DPHY_TRIGGER_ESCAPE_MODE_MAX) - Space Wire Trigger Type (RSSCOPE_ATTR_SPACE_WIRE_TRIGGER_TYPE) - Space Wire Trigger Control Type (RSSCOPE_ATTR_SPACE_WIRE_TRIGGER_CONTROL_TYPE) - Space Wire Trigger Time Code Condition (RSSCOPE_ATTR_SPACE_WIRE_TRIGGER_TIME_CODE_CONDITION) - Space Wire Trigger Time Code Min (RSSCOPE_ATTR_SPACE_WIRE_TRIGGER_TIME_CODE_MIN) - Space Wire Trigger Time Code Max (RSSCOPE_ATTR_SPACE_WIRE_TRIGGER_TIME_CODE_MAX) - Space Wire Trigger Data Condition (RSSCOPE_ATTR_SPACE_WIRE_TRIGGER_DATA_CONDITION) - Space Wire Trigger Data Min (RSSCOPE_ATTR_SPACE_WIRE_TRIGGER_DATA_MIN) - Space Wire Trigger Data Max (RSSCOPE_ATTR_SPACE_WIRE_TRIGGER_DATA_MAX) - Space Wire Trigger Parity Error (RSSCOPE_ATTR_SPACE_WIRE_TRIGGER_PARITY_ERROR) - Space Wire Trigger Escape Error (RSSCOPE_ATTR_SPACE_WIRE_TRIGGER_ESCAPE_ERROR) - Amplitude Measured Slope (RSSCOPE_ATTR_AMPLITUDE_MEASURED_SLOPE) - Gating Cursor Coupling Enabled (RSSCOPE_ATTR_GATING_CURSOR_COUPLING_ENABLED) - Gating Cursor Set (RSSCOPE_ATTR_GATING_CURSOR_SET) - DPHY Search Type (RSSCOPE_ATTR_DPHY_SEARCH_TYPE) - DPHY Search Virtual Channel (RSSCOPE_ATTR_DPHY_SEARCH_VIRTUAL_CHANNEL) - DPHY Search Data Type Condition (RSSCOPE_ATTR_DPHY_SEARCH_DATA_TYPE_CONDITION) - DPHY Search Data Type Min (RSSCOPE_ATTR_DPHY_SEARCH_DATA_TYPE_MIN) - DPHY Search Data Type Max (RSSCOPE_ATTR_DPHY_SEARCH_DATA_TYPE_MAX) - DPHY Search Word Count Condition (RSSCOPE_ATTR_DPHY_SEARCH_WORD_COUNT_CONDITION) - DPHY Search Word Count Min (RSSCOPE_ATTR_DPHY_SEARCH_WORD_COUNT_MIN)

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		<ul style="list-style-type: none"> - DPHY Search Word Count Max (RSSCOPE_ATTR_DPHY_SEARCH_WORD_COUNT_MAX) - DPHY Search High Speed Data Condition (RSSCOPE_ATTR_DPHY_SEARCH_HIGH_SPEED_DATA_CONDITION) - DPHY Search High Speed Data Min (RSSCOPE_ATTR_DPHY_SEARCH_HIGH_SPEED_DATA_MIN) - DPHY Search High Speed Data Max (RSSCOPE_ATTR_DPHY_SEARCH_HIGH_SPEED_DATA_MAX) - DPHY Search Low Power Escape Mode Data Condition (RSSCOPE_ATTR_DPHY_SEARCH_LOW_POWER_ESCAPE_MODE_DATA_CONDITION) - DPHY Search Low Power Escape Mode Data Min (RSSCOPE_ATTR_DPHY_SEARCH_LOW_POWER_ESCAPE_MODE_DATA_MIN) - DPHY Search Low Power Escape Mode Data Max (RSSCOPE_ATTR_DPHY_SEARCH_LOW_POWER_ESCAPE_MODE_DATA_MAX) - DPHY Search High Speed Data Index Condition (RSSCOPE_ATTR_DPHY_SEARCH_HIGH_SPEED_DATA_INDEX_CONDITION) - DPHY Search High Speed Data Index Min (RSSCOPE_ATTR_DPHY_SEARCH_HIGH_SPEED_DATA_INDEX_MIN) - DPHY Search High Speed Data Index Max (RSSCOPE_ATTR_DPHY_SEARCH_HIGH_SPEED_DATA_INDEX_MAX) - DPHY Search Low Power Escape Mode Data Index Condition (RSSCOPE_ATTR_DPHY_SEARCH_LOW_POWER_ESCAPE_MODE_DATA_INDEX_CONDITION) - DPHY Search Low Power Escape Mode Data Index Min (RSSCOPE_ATTR_DPHY_SEARCH_LOW_POWER_ESCAPE_MODE_DATA_INDEX_MIN) - DPHY Search Low Power Escape Mode Data Index Max (RSSCOPE_ATTR_DPHY_SEARCH_LOW_POWER_ESCAPE_MODE_DATA_INDEX_MAX) - DPHY Search Escape Mode Condition (RSSCOPE_ATTR_DPHY_SEARCH_ESCAPE_MODE_CONDITION) - DPHY Search Escape Mode Min (RSSCOPE_ATTR_DPHY_SEARCH_ESCAPE_MODE_MIN) - DPHY Search Escape Mode Max (RSSCOPE_ATTR_DPHY_SEARCH_ESCAPE_MODE_MAX) - Search DPHY Frame Count (RSSCOPE_ATTR_SEARCH_DPHY_FRAME_COUNT) - Space Wire Search Type (RSSCOPE_ATTR_SPACE_WIRE_SEARCH_TYPE) - Space Wire Search Control Type (RSSCOPE_ATTR_SPACE_WIRE_SEARCH_CONTROL_TYPE) - Space Wire Search Time Code Condition (RSSCOPE_ATTR_SPACE_WIRE_SEARCH_TIME_CODE_CONDITION) - Space Wire Search Time Code Min (RSSCOPE_ATTR_SPACE_WIRE_SEARCH_TIME_CODE_MIN) - Space Wire Search Time Code Max (RSSCOPE_ATTR_SPACE_WIRE_SEARCH_TIME_CODE_MAX) - Space Wire Search Data Condition (RSSCOPE_ATTR_SPACE_WIRE_SEARCH_DATA_CONDITION) - Space Wire Search Data Min (RSSCOPE_ATTR_SPACE_WIRE_SEARCH_DATA_MIN) - Space Wire Search Data Max (RSSCOPE_ATTR_SPACE_WIRE_SEARCH_DATA_MAX) - Space Wire Search Parity Error (RSSCOPE_ATTR_SPACE_WIRE_SEARCH_PARITY_ERROR) - Space Wire Search Escape Error (RSSCOPE_ATTR_SPACE_WIRE_SEARCH_ESCAPE_ERROR) - Search Space Wire Frame Count (RSSCOPE_ATTR_SEARCH_SPACE_WIRE_FRAME_COUNT) - Protocol DPHY Variant (RSSCOPE_ATTR_PROTOCOL_DPHY_VARIANT) - Protocol DPHY Data Lanes (RSSCOPE_ATTR_PROTOCOL_DPHY_DATA_LANES) - Protocol DPHY CP Source (RSSCOPE_ATTR_PROTOCOL_DPHY_CP_SOURCE) - Protocol DPHY DN Zero Source (RSSCOPE_ATTR_PROTOCOL_DPHY_DN_ZERO_SOURCE)

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		<ul style="list-style-type: none"> - Protocol DPHY DP Zero Source (RSSCOPE_ATTR_PROTOCOL_DPHY_DP_ZERO_SOURCE) - Protocol DPHY DP One Source (RSSCOPE_ATTR_PROTOCOL_DPHY_DP_ONE_SOURCE) - Protocol DPHY DP Two Source (RSSCOPE_ATTR_PROTOCOL_DPHY_DP_TWO_SOURCE) - Protocol DPHY DP Three Source (RSSCOPE_ATTR_PROTOCOL_DPHY_DP_THREE_SOURCE) - Protocol DPHY CP Probe (RSSCOPE_ATTR_PROTOCOL_DPHY_CP_PROBE) - Protocol DPHY DN Zero Probe (RSSCOPE_ATTR_PROTOCOL_DPHY_DN_ZERO_PROBE) - Protocol DPHY DP Zero Probe (RSSCOPE_ATTR_PROTOCOL_DPHY_DP_ZERO_PROBE) - Protocol DPHY DP One Probe (RSSCOPE_ATTR_PROTOCOL_DPHY_DP_ONE_PROBE) - Protocol DPHY DP Two Probe (RSSCOPE_ATTR_PROTOCOL_DPHY_DP_TWO_PROBE) - Protocol DPHY DP Three Probe (RSSCOPE_ATTR_PROTOCOL_DPHY_DP_THREE_PROBE) - Protocol DPHY Data Rate (RSSCOPE_ATTR_PROTOCOL_DPHY_DATA_RATE) - Protocol DPHY Display Data Vector (RSSCOPE_ATTR_PROTOCOL_DPHY_DISPLAY_DATA_VECTOR) - Protocol DPHY Threshold Preset (RSSCOPE_ATTR_PROTOCOL_DPHY_THRESHOLD_PRESET) - Protocol DPHY Threshold Coupling (RSSCOPE_ATTR_PROTOCOL_DPHY_THRESHOLD_COUPLING) - Protocol DPHY High Speed CP Threshold (RSSCOPE_ATTR_PROTOCOL_DPHY_HIGH_SPEED_CP_THRESHOLD) - Protocol DPHY High Speed DP Zero Threshold (RSSCOPE_ATTR_PROTOCOL_DPHY_HIGH_SPEED_DP_ZERO_THRESHOLD) - Protocol DPHY High Speed DP One Threshold (RSSCOPE_ATTR_PROTOCOL_DPHY_HIGH_SPEED_DP_ONE_THRESHOLD) - Protocol DPHY High Speed DP Two Threshold (RSSCOPE_ATTR_PROTOCOL_DPHY_HIGH_SPEED_DP_TWO_THRESHOLD) - Protocol DPHY High Speed DP Three Threshold (RSSCOPE_ATTR_PROTOCOL_DPHY_HIGH_SPEED_DP_THREE_THRESHOLD) - Protocol DPHY High Speed CP Hysteresis (RSSCOPE_ATTR_PROTOCOL_DPHY_HIGH_SPEED_CP_HYSTERESIS) - Protocol DPHY High Speed DP Zero Hysteresis (RSSCOPE_ATTR_PROTOCOL_DPHY_HIGH_SPEED_DP_ZERO_HYSTERESIS) - Protocol DPHY High Speed DP One Hysteresis (RSSCOPE_ATTR_PROTOCOL_DPHY_HIGH_SPEED_DP_ONE_HYSTERESIS) - Protocol DPHY High Speed DP Two Hysteresis (RSSCOPE_ATTR_PROTOCOL_DPHY_HIGH_SPEED_DP_TWO_HYSTERESIS) - Protocol DPHY High Speed DP Three Hysteresis (RSSCOPE_ATTR_PROTOCOL_DPHY_HIGH_SPEED_DP_THREE_HYSTERESIS) - Protocol DPHY Low Power DN Zero Threshold Upper (RSSCOPE_ATTR_PROTOCOL_DPHY_LOW_POWER_DN_ZERO_THRESHOLD_UPPER) - Protocol DPHY Low Power DP Zero Threshold Upper (RSSCOPE_ATTR_PROTOCOL_DPHY_LOW_POWER_DP_ZERO_THRESHOLD_UPPER) - Protocol DPHY Low Power DN Zero Threshold Lower (RSSCOPE_ATTR_PROTOCOL_DPHY_LOW_POWER_DN_ZERO_THRESHOLD_LOWER) - Protocol DPHY Low Power DP Zero Threshold Lower (RSSCOPE_ATTR_PROTOCOL_DPHY_LOW_POWER_DP_ZERO_THRESHOLD_LOWER) - Protocol DPHY Frame Count (RSSCOPE_ATTR_PROTOCOL_DPHY_FRAME_COUNT)

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		<ul style="list-style-type: none"> - Protocol Space Wire Strobe Source (RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_STROBE_SOURCE) - Protocol Space Wire Data Source (RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_DATA_SOURCE) - Protocol Space Wire Threshold Preset (RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_THRESHOLD_PRESET) - Protocol Space Wire Threshold Coupling (RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_THRESHOLD_COUPLING) - Protocol Space Wire Strobe Threshold (RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_STROBE_THRESHOLD) - Protocol Space Wire Data Threshold (RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_DATA_THRESHOLD) - Protocol Space Wire Strobe Hysteresis (RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_STROBE_HYSTERESIS) - Protocol Space Wire Data Hysteresis (RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_DATA_HYSTERESIS) - Protocol Space Wire Sync Settings (RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_SYNC_SETTINGS) - Protocol Space Wire Sync Bit Position (RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_SYNC_BIT_POSITION) - Protocol Space Wire Min Gap (RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_MIN_GAP) - Protocol Space Wire Frame Count (RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_FRAME_COUNT) - Power Quality Custom Frequency (RSSCOPE_ATTR_POWER_QUALITY_CUSTOM_FREQUENCY) - History Time Reference (RSSCOPE_ATTR_HISTORY_TIME_REFERENCE) - Waveform Export Timestamps (RSSCOPE_ATTR_WAVEFORM_EXPORT_TIMESTAMP) - Report Language (RSSCOPE_ATTR_REPORT_LANGUAGE) - Report Paper Size (RSSCOPE_ATTR_REPORT_PAPER_SIZE) - Report User (RSSCOPE_ATTR_REPORT_USER) - Report Comment (RSSCOPE_ATTR_REPORT_COMMENT) - Report Logo Type (RSSCOPE_ATTR_REPORT_LOGO_TYPE) - Report Logo File (RSSCOPE_ATTR_REPORT_LOGO_FILE) - Report File Name (RSSCOPE_ATTR_REPORT_FILE_NAME) - Save Report (RSSCOPE_ATTR_SAVE_REPORT) - Autonoming Prefix (RSSCOPE_ATTR_AUTONAMING_PREFIX) - Autonoming Text (RSSCOPE_ATTR_AUTONAMING_TEXT) - Autonoming User Text (RSSCOPE_ATTR_AUTONAMING_USER_TEXT) - Autonoming Date (RSSCOPE_ATTR_AUTONAMING_DATE) - Autonoming Index (RSSCOPE_ATTR_AUTONAMING_INDEX) - Autonoming Time (RSSCOPE_ATTR_AUTONAMING_TIME) - Autonoming Default Path (RSSCOPE_ATTR_AUTONAMING_DEFAULT_PATH) - Autonoming Reset Path (RSSCOPE_ATTR_AUTONAMING_RESET_PATH) - Autonoming Reset All Settings (RSSCOPE_ATTR_AUTONAMING_RESET_ALL_SETTINGS) - Logging (RSSCOPE_ATTR_LOGGING) - System Error (RSSCOPE_ATTR_SYSTEM_ERROR)

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		<p>* Modified attributes:</p> <ul style="list-style-type: none"> - Horizontal Time Per Record (RSSCOPE_ATTR_HORZ_TIME_PER_RECORD) - Range changed. - Horizontal Record Length Limit (RSSCOPE_ATTR_HORZ_RECORD_LENGTH_LIMIT) - Range changed. - Horizontal Scale (RSSCOPE_ATTR_HORZ_SCALE) - Range changed. - Probe Micro Button Action (RSSCOPE_ATTR_PROBE_MICRO_BUTTON_ACTION) - New values. - Probe Attenuation Manual (RSSCOPE_ATTR_PROBE_ATTENUATION_MANUAL) - Range changed. - Probe Gain Manual (RSSCOPE_ATTR_PROBE_GAIN_MANUAL) - Changed default - Probe Predefined Current Probe (RSSCOPE_ATTR_PROBE_PREDEFINED_CURRENT_PROBE) - ZC30 added. - Trigger Input Probe Micro Button Action (RSSCOPE_ATTR_TRIGGER_PROBE_MICRO_BUTTON_ACTION) - New values. - Channel Bandwidth Limit (RSSCOPE_ATTR_CHANNEL_BANDWIDTH_LIMIT) - Values removed. - Trigger Type (RSSCOPE_ATTR_TRIGGER_TYPE) - Analog edge added. - Interval Polarity (RSSCOPE_ATTR_INTERVAL_POLARITY) - Command changed - Protocol USB Trigger Type (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_TYPE) - Reset command string changed. - Cursor X Position (RSSCOPE_ATTR_CURSOR_X_POSITION) - Range changed. - Jitter Clock Measurement Cycle Offset (RSSCOPE_ATTR_JITTER_CLOCK_MEASUREMENT_CYCLE_OFFSET) - Command changed from MEASurement:JITTer:COFFset - Spectrum Noise Reject (RSSCOPE_ATTR_SPECTRUM_NOISE_REJECT) - Changed command form NRE to THR. - Spectrum Peak Excursion (RSSCOPE_ATTR_SPECTRUM_PEAK_EXCURSION) - Changed command form NRE to THR. - Gating Relative Start (RSSCOPE_ATTR_GATING_RELATIVE_START) - Range added. - Gating Relative Stop (RSSCOPE_ATTR_GATING_RELATIVE_STOP) - Range changed. - User Reference Relative Upper Level (RSSCOPE_ATTR_USER_REFERENCE_RELATIVE_UPPER_LEVEL) - Range. - User Reference Relative Middle Level (RSSCOPE_ATTR_USER_REFERENCE_RELATIVE_MIDDLE_LEVEL) - Range. - User Reference Relative Lower Level (RSSCOPE_ATTR_USER_REFERENCE_RELATIVE_LOWER_LEVEL) - Range - Math Acquired Waveforms (RSSCOPE_ATTR_MATH_ACQUIRED_WAVEFORMS) - Command changed. - FFT Magnitude Unit (RSSCOPE_ATTR_FFT_MAGNITUDE_UNIT) - New values. - FFT Gate Relative Start (RSSCOPE_ATTR_FFT_GATE_RELATIVE_START) - Range added. - FFT Gate Relative Stop (RSSCOPE_ATTR_FFT_GATE_RELATIVE_STOP) - Range added. - Search Trigger Interval Polarity (RSSCOPE_ATTR_SEARCH_TRIGGER_INTERVAL_POLARITY) - Command changed. - Search CAN Start Of Frame Enabled (RSSCOPE_ATTR_SEARCH_CAN_START_OF_FRAME_ENABLED) - Command long form updated. - Search FlexRay Start Of Frame Enabled (RSSCOPE_ATTR_SEARCH_FLEXRAY_START_OF_FRAME_ENABLED) - Command long form

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		<p>updated.</p> <ul style="list-style-type: none"> - Protocol Type (RSSCOPE_ATTR_PROTOCOL_TYPE) - New values. - Protocol CAN Sample Point Abs (RSSCOPE_ATTR_PROTOCOL_CAN_SAMPLE_POINT_ABS) - Range added. - Power Current Harmonics EN Frequency (RSSCOPE_ATTR_POWER_CURRENT_HARMONICS_EN_FREQUENCY) - Only values F400 and F60 remains. - Power Current Harmonics DO Frequency (RSSCOPE_ATTR_POWER_CURRENT_HARMONICS_DO_FREQUENCY) - Only values F400 and F60 remains. - Power Ripple Frequency (RSSCOPE_ATTR_POWER_RIPPLE_FREQUENCY) - Range changed - Transient Response Trigger Level (RSSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_TRIGGER_LEVEL) - Changed range. - Transient Response Tube Tolerance (RSSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_TUBE_TOLERANCE) - Min changed. - Transient Response Signal High (RSSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_SIGNAL_HIGH) - Range changed - Transient Response Signal Low (RSSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_SIGNAL_LOW) - Range changed. - CDR Software Bit Rate (RSSCOPE_ATTR_CDR_SOFTWARE_BIT_RATE) - Min changed. - ID Query Response (RSSCOPE_ATTR_ID_QUERY_RESPONSE) - SCPI Command added, changed to read-only. <p>* Modified Range Tables:</p> <ul style="list-style-type: none"> - rscope_rngTriggerType.RSSCOPE_VAL_DATA_TO_CLOCK_TRIGGER - RSSCOPE_ATTR_TRIGGER_TYPE Description changed ("Data to Clock", "Data2Clock") - rscope_rngTriggerType - RSSCOPE_ATTR_TRIGGER_TYPE New items: RSSCOPE_VAL_ANALOG_EDGE_TRIGGER - rscope_rngPct - RSSCOPE_ATTR_HISTOGRAM_PROBABILITY_LIMIT, RSSCOPE_ATTR_SPECTRUM_N_DB_DOWN, RSSCOPE_ATTR_SPECTRUM_NOISE_REJECT, RSSCOPE_ATTR_SPECTRUM_PEAK_EXCURSION, RSSCOPE_ATTR_USER_REFERENCE_RELATIVE_UPPER_LEVEL, RSSCOPE_ATTR_USER_REFERENCE_RELATIVE_MIDDLE_LEVEL, RSSCOPE_ATTR_USER_REFERENCE_RELATIVE_LOWER_LEVEL, RSSCOPE_ATTR_TUBE_RELATIVE_OUTER_DISTANCE, RSSCOPE_ATTR_SIGNAL_STYLE_INTENSITY Range changed to <-100;200> - rscope_rngHorzRecordLength - RSSCOPE_ATTR_HORZ_RECORD_LENGTH, RSSCOPE_ATTR_HORZ_RECORD_LENGTH_LIMIT Range changed to <1000;800000000> - rscope_rngProbeButtonAction - RSSCOPE_ATTR_PROBE_MICRO_BUTTON_ACTION, RSSCOPE_ATTR_TRIGGER_PROBE_MICRO_BUTTON_ACTION New items: RSSCOPE_VAL_PROBE_BUTTON_PRINT, RSSCOPE_VAL_PROBE_BUTTON_SAVE_TO_FILE, RSSCOPE_VAL_PROBE_BUTTON_REPORT - rscope_rngProtocolType - RSSCOPE_ATTR_PROTOCOL_TYPE

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		<p>New items: RSSCOPE_VAL_DPHY, RSSCOPE_VAL_SWIRE</p> <ul style="list-style-type: none"> - rscope_rngProtocolSPITriggerType.RSSCOPE_VAL_SPI_TRIGGER_MOMI - RSSCOPE_ATTR_PROTOCOL_SPI_TRIGGER_MODE Description changed ("MOSI/MISO", "MOMI") - rscope_rngProtocolUARTParity.RSSCOPE_VAL_UART_SPACE - RSSCOPE_ATTR_PROTOCOL_UART_PARITY Description changed ("Space", "SPC") - rscope_rngProtocolUARTParity.RSSCOPE_VAL_UART_DC - RSSCOPE_ATTR_PROTOCOL_UART_PARITY Description changed ("Don't Care", "DC") - rscope_rngProtocolUARTLine.RSSCOPE_VAL_UART_RX - RSSCOPE_ATTR_PROTOCOL_UART_TRIGGER_SOURCE Description changed ("Rx", "Receiver") - rscope_rngProtocolUARTLine.RSSCOPE_VAL_UART_TX - RSSCOPE_ATTR_PROTOCOL_UART_TRIGGER_SOURCE Description changed ("Tx", "Transmitter") - rscope_rngProtocolUARTDataPosition.RSSCOPE_VAL_UART_TRIGGER_NEQUAL - RSSCOPE_ATTR_PROTOCOL_UART_TRIGGER_DATA_POSITION Description changed ("Not Equal", "Not equal") - rscope_rngProtocolUARTDataPosition.RSSCOPE_VAL_UART_TRIGGER_GREATER - RSSCOPE_ATTR_PROTOCOL_UART_TRIGGER_DATA_POSITION Description changed ("Greater Than", ">") - rscope_rngProtocolUARTDataPosition.RSSCOPE_VAL_UART_TRIGGER_INRANGE - RSSCOPE_ATTR_PROTOCOL_UART_TRIGGER_DATA_POSITION Description changed ("In Range", "In range") - rscope_rngProtocolLINTechnology.RSSCOPE_VAL_LIN_V6 - RSSCOPE_ATTR_PROTOCOL_LIN_TECHNOLOGY Command changed ("V6", "V25") - rscope_rngProtocolLINTechnology.RSSCOPE_VAL_LIN_V25 - RSSCOPE_ATTR_PROTOCOL_LIN_TECHNOLOGY Command changed ("V25", "V6") - rscope_rngProtocolLINTrigger.RSSCOPE_VAL_LIN_FRAME_START - RSSCOPE_ATTR_PROTOCOL_LIN_TRIGGER_MODE, RSSCOPE_ATTR_SEARCH_LIN_MODE Description changed ("Start of Frame", "Start of Frame (Sync)") - rscope_rngEnvelopeType.RSSCOPE_VAL_ENVELOPE_MIN - RSSCOPE_ATTR_ENVELOPE_SELECTION Description changed ("Minimum", "Min") - rscope_rngEnvelopeType.RSSCOPE_VAL_ENVELOPE_MAX - RSSCOPE_ATTR_ENVELOPE_SELECTION Description changed ("Maximum", "Max") - rscope_rngSPIPositionCondition.RSSCOPE_VAL_SPI_COND_ANY - RSSCOPE_ATTR_PROTOCOL_SPI_TRIGGER_POSITION_CONDITION Help changed ("Any", "") - rscope_rngSPIPositionCondition.RSSCOPE_VAL_SPI_COND_EQ - RSSCOPE_ATTR_PROTOCOL_SPI_TRIGGER_POSITION_CONDITION

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		<p>Help changed ("Equal", "")</p> <p>- rscope_rngSPIPositionCondition.RSSCOPE_VAL_SPI_COND_EQ - RSSCOPE_ATTR_PROTOCOL_SPI_TRIGGER_POSITION_CONDITION</p> <p>Description changed ("=", "Equal")</p> <p>- rscope_rngSPIPositionCondition.RSSCOPE_VAL_SPI_COND_NEQ - RSSCOPE_ATTR_PROTOCOL_SPI_TRIGGER_POSITION_CONDITION</p> <p>Help changed ("Not Equal", "")</p> <p>- rscope_rngSPIPositionCondition.RSSCOPE_VAL_SPI_COND_NEQ - RSSCOPE_ATTR_PROTOCOL_SPI_TRIGGER_POSITION_CONDITION</p> <p>Description changed ("!=", "Not Equal")</p> <p>- rscope_rngSPIPositionCondition.RSSCOPE_VAL_SPI_COND_GE - RSSCOPE_ATTR_PROTOCOL_SPI_TRIGGER_POSITION_CONDITION</p> <p>Help changed ("Greather Than", "")</p> <p>- rscope_rngSPIPositionCondition.RSSCOPE_VAL_SPI_COND_GE - RSSCOPE_ATTR_PROTOCOL_SPI_TRIGGER_POSITION_CONDITION</p> <p>Description changed (">=", "Greather Than")</p> <p>- rscope_rngSPIPositionCondition.RSSCOPE_VAL_SPI_COND_RAN - RSSCOPE_ATTR_PROTOCOL_SPI_TRIGGER_POSITION_CONDITION</p> <p>Help changed ("In Range", "")</p> <p>- rscope_rngFlexRayTriggerType.RSSCOPE_VAL_FLEXRAY_FRAME_START - RSSCOPE_ATTR_PROTOCOL_FLEXRAY_TRIGGER_TYPE</p> <p>Description changed ("Start of Frame", "Start of Frame (Sync)")</p> <p>- rscope_rngProtocolLINTriggerCRCStandard.RSSCOPE_VAL_LIN_CRC_STANDARD_AUTO - RSSCOPE_ATTR_PROTOCOL_LIN_TRIGGER_CRC_STANDARD, RSSCOPE_ATTR_SEARCH_LIN_CRC_STANDARD</p> <p>Description changed ("Auto", "AUTO")</p> <p>- rscope_rngMathAcquiredWaveforms - RSSCOPE_ATTR_MATH_ACQUIRED_WAVEFORMS</p> <p>Range changed to <2;16777215></p> <p>- rscope_rngIQInputMode.RSSCOPE_VAL_IQ_INPUT_TYPE_RFIF - RSSCOPE_ATTR_IQ_INPUT_MODE</p> <p>Description changed ("Intermediate Frequency", "Intermediate Frequency (RFIF)")</p> <p>- RsScope_rngPowerQualityFrequency.RSSCOPE_VAL_POWER_QUALITY_CUS - RSSCOPE_ATTR_POWER_QUALITY_FREQUENCY</p> <p>Help changed ("Custom", "CUS")</p> <p>- RsScope_rngPowerQualityFrequency.RSSCOPE_VAL_POWER_QUALITY_CUS - RSSCOPE_ATTR_POWER_QUALITY_FREQUENCY</p> <p>Description changed ("Custom", "CUS")</p> <p>-</p> <p>RsScope_rngManchesterNRZThresholdPreset.RSSCOPE_VAL_MANCHESTER_NRZ_THRESHOLD_V05 - RSSCOPE_ATTR_PROTOCOL_MANCHESTER_THRESHOLD_PRESET, RSSCOPE_ATTR_PROTOCOL_NRZ_THRESHOLD_PRESET</p> <p>Description changed ("0.5 V", "V05")</p> <p>-</p> <p>RsScope_rngManchesterNRZThresholdPreset.RSSCOPE_VAL_MANCHESTER_NRZ_THRESHOLD_V2 - RSSCOPE_ATTR_PROTOCOL_MANCHESTER_THRESHOLD_PRESET,</p>

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		<p>RSSCOPE_ATTR_PROTOCOL_NRZ_THRESHOLD_PRESET</p> <p style="text-align: center;">Description changed ("2 V", "V2")</p> <p>-</p> <p>RsScope_rngManchesterNRZThresholdPreset.RSSCOPE_VAL_MANCHESTER_NRZ_THRESHOLD_V5 - RSSCOPE_ATTR_PROTOCOL_MANCHESTER_THRESHOLD_PRESET, RSSCOPE_ATTR_PROTOCOL_NRZ_THRESHOLD_PRESET</p> <p style="text-align: center;">Description changed ("5 V", "V5")</p> <p>-</p> <p>RsScope_rngManchesterNRZThresholdPreset.RSSCOPE_VAL_MANCHESTER_NRZ_THRESHOLD_V7 - RSSCOPE_ATTR_PROTOCOL_MANCHESTER_THRESHOLD_PRESET, RSSCOPE_ATTR_PROTOCOL_NRZ_THRESHOLD_PRESET</p> <p style="text-align: center;">Description changed ("7 V", "V7")</p> <p>- rscope_rngProtocolIndexCondition.RSSCOPE_VAL_COND_IN - RSSCOPE_ATTR_PROTOCOL_MIL1553_TRIGGER_DATA_INDEX_CONDITION, RSSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_INDEX_CONDITION, RSSCOPE_ATTR_SEARCH_MIL1553_DATA_INDEX_CONDITION, RSSCOPE_ATTR_SEARCH_RFFE_INDEX_CONDITION</p> <p style="text-align: center;">Description changed ("In Range", "In range")</p>
2.70.0	11/2015	<p>* Support for RTO & RTE version 2.70</p> <p>* New Subsystems</p> <ul style="list-style-type: none"> - Search Subsystem in LIN protocol - Search Subsystem in I2C protocol - 8B10B - SENT - Manchester NRZ <p>* New:</p> <ul style="list-style-type: none"> - rscope Probe Use Auto Zero.vi - rscope Configure Probe Zero Adjust Value.vi - rscope Probe Save To Probe.vi - rscope Configure Serial Bus Source.vi - rscope Configure Event Trigger.vi - rscope Configure Display Message.vi - rscope Configure Cursor Threshold.vi - rscope Configure Spectrum Peak Excursion.vi - rscope Fetch Spectrum Harmonics Results Number.vi <p>* Modified:</p> <ul style="list-style-type: none"> - rscope Configure Time Base.vi - scale range changed - rscope Configure Acquisition Time.vi - tange changed - rscope Configure Channel Bandwidth.vi - Some values removed - rscope Configure Probe Attenuation.vi - attenuation range changed - rscope Configure Probe Gain.vi - default value changed - rscope Configure Current Probe Predefined.vi - ZC30 added - rscope Configure Current Trigger Input Probe Predefined.vi - ZC30 added

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		<ul style="list-style-type: none"> - rscope Configure Interval Trigger Source.vi - command changed for polarity - rscope Configure Serial Bus Trigger Source.vi - new protocols - rscope Configure Jitter Clock Measurement Cycle Offset.vi - command changed - rscope Configure Spectrum Settings.vi - noise reject command changed - rscope Configure Gate Definition Start Stop.vi - another attributes used - rscope Configure Interval Trigger Search.vi - command changed for polarity - rscope Configure CAN Sample Point Absolute.vi - ranges changed - rscope Configure FFT Magnitude.vi - new units - rscope Configure FFT Gate Definition Start Stop.vi - another attributes used - rscope Power Ripple Settings.vi - frequency range changed - rscope Transient Response Trigger.vi - level range changed - rscope Transient Response Settings.vi - signal, tube tolerance range changed - rscope Configure CDR Software.vi - bit range minimum changed <p>* New attributes:</p> <ul style="list-style-type: none"> - Probe Degauss (RSSCOPE_ATTR_PROBE_DEGAUSS) - Probe Use Auto Zero (RSSCOPE_ATTR_PROBE_USE_AUTO_ZERO) - Probe Zero Adjust Value (RSSCOPE_ATTR_PROBE_ZERO_ADJUST_VALUE) - Probe Save To Probe (RSSCOPE_ATTR_PROBE_SAVE_TO_PROBE) - Trigger Serial Bus Source (RSSCOPE_ATTR_TRIGGER_SERIAL_BUS_SOURCE) - Trigger Event Beep (RSSCOPE_ATTR_TRIGGER_EVENT_BEEP) - Trigger Event Print (RSSCOPE_ATTR_TRIGGER_EVENT_PRINT) - Trigger Event Save Waveform (RSSCOPE_ATTR_TRIGGER_EVENT_SAVE_WAVEFORM) - Manchester NRZ Trigger Type (RSSCOPE_ATTR_MANCHESTER_NRZ_TRIGGER_TYPE) - Manchester NRZ Trigger Data Pattern (RSSCOPE_ATTR_MANCHESTER_NRZ_TRIGGER_DATA_PATTERN) - Manchester NRZ Trigger Index Condition (RSSCOPE_ATTR_MANCHESTER_NRZ_TRIGGER_INDEX_CONDITION) - Manchester NRZ Trigger Index Min (RSSCOPE_ATTR_MANCHESTER_NRZ_TRIGGER_INDEX_MIN) - Manchester NRZ Trigger Index Max (RSSCOPE_ATTR_MANCHESTER_NRZ_TRIGGER_INDEX_MAX) - NRZ Trigger Word Length (RSSCOPE_ATTR_NRZ_TRIGGER_WORD_LENGTH) - SENT Trigger Type (RSSCOPE_ATTR_SENT_TRIGGER_TYPE) - SENT Trigger Transmission Sequence Type (RSSCOPE_ATTR_SENT_TRIGGER_TRANSMISSION_SEQUENCE_TYPE) - SENT Trigger Transmission Sequence Status (RSSCOPE_ATTR_SENT_TRIGGER_TRANSMISSION_SEQUENCE_STATUS) - SENT Trigger Transmission Sequence Condition (RSSCOPE_ATTR_SENT_TRIGGER_TRANSMISSION_SEQUENCE_CONDITION) - SENT Trigger Transmission Sequence Data Min (RSSCOPE_ATTR_SENT_TRIGGER_TRANSMISSION_SEQUENCE_DATA_MIN) - SENT Trigger Transmission Sequence Data Max (RSSCOPE_ATTR_SENT_TRIGGER_TRANSMISSION_SEQUENCE_DATA_MAX)

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		<ul style="list-style-type: none"> - SENT Trigger Serial Message Type (RSSCOPE_ATTR_SENT_TRIGGER_SERIAL_MESSAGE_TYPE) - SENT Trigger Serial Message ID Type (RSSCOPE_ATTR_SENT_TRIGGER_SERIAL_MESSAGE_ID_TYPE) - SENT Trigger Serial Message ID Condition (RSSCOPE_ATTR_SENT_TRIGGER_SERIAL_MESSAGE_ID_CONDITION) - SENT Trigger Serial Message ID Min (RSSCOPE_ATTR_SENT_TRIGGER_SERIAL_MESSAGE_ID_MIN) - SENT Trigger Serial Message ID Max (RSSCOPE_ATTR_SENT_TRIGGER_SERIAL_MESSAGE_ID_MAX) - SENT Trigger Serial Message Data Condition (RSSCOPE_ATTR_SENT_TRIGGER_SERIAL_MESSAGE_DATA_CONDITION) - SENT Trigger Serial Message Data Min (RSSCOPE_ATTR_SENT_TRIGGER_SERIAL_MESSAGE_DATA_MIN) - SENT Trigger Serial Message Data Max (RSSCOPE_ATTR_SENT_TRIGGER_SERIAL_MESSAGE_DATA_MAX) - Protocol SENT Trigger Form Error (RSSCOPE_ATTR_PROTOCOL_SENT_TRIGGER_FORM_ERROR) - Protocol SENT Trigger Calibration Pulse Error (RSSCOPE_ATTR_PROTOCOL_SENT_TRIGGER_CALIBRATION_PULSE_ERROR) - Protocol SENT Trigger Pulse Period Error (RSSCOPE_ATTR_PROTOCOL_SENT_TRIGGER_PULSE_PERIOD_ERROR) - Protocol SENT Trigger CRC Error (RSSCOPE_ATTR_PROTOCOL_SENT_TRIGGER_CRC_ERROR) - Protocol SENT Trigger Irregular Frame Length Error (RSSCOPE_ATTR_PROTOCOL_SENT_TRIGGER_IRREGULAR_FRAME_LENGTH_ERROR) - Cursor Threshold (RSSCOPE_ATTR_CURSOR_THRESHOLD) - Spectrum Peak Excursion (RSSCOPE_ATTR_SPECTRUM_PEAK_EXCURSION) - Statistics Number Of Bins (RSSCOPE_ATTR_STATISTICS_NUMBER_OF_BINS) - Spectrum Measurement Harmonics Results Number (RSSCOPE_ATTR_SPECTRUM_MEASUREMENT_HARMONICS_RESULTS_NUMBER) - Search I2C Mode (RSSCOPE_ATTR_SEARCH_I2C_MODE) - Search I2C Criteria Start (RSSCOPE_ATTR_SEARCH_I2C_CRITERIA_START) - Search I2C Criteria Repeated Start (RSSCOPE_ATTR_SEARCH_I2C_CRITERIA_REPEATED_START) - Search I2C Criteria Stop (RSSCOPE_ATTR_SEARCH_I2C_CRITERIA_STOP) - Search I2C Criteria Nack (RSSCOPE_ATTR_SEARCH_I2C_CRITERIA_NACK) - Search I2C Criteria Address (RSSCOPE_ATTR_SEARCH_I2C_CRITERIA_ADDRESS) - Search I2C Criteria Address OR (RSSCOPE_ATTR_SEARCH_I2C_CRITERIA_ADDRESS_OR) - Search I2C Criteria Address Data (RSSCOPE_ATTR_SEARCH_I2C_CRITERIA_ADDRESS_DATA) - Search I2C Adress Nack (RSSCOPE_ATTR_SEARCH_I2C_ADRESS_NACK) - Search I2C Data Write Nack (RSSCOPE_ATTR_SEARCH_I2C_DATA_WRITE_NACK) - Search I2C Data Read Nack (RSSCOPE_ATTR_SEARCH_I2C_DATA_READ_NACK) - Search I2C Access Bit (RSSCOPE_ATTR_SEARCH_I2C_ACCESS_BIT) - Search I2C Address Type (RSSCOPE_ATTR_SEARCH_I2C_ADDRESS_TYPE) - Search I2C Address Condition (RSSCOPE_ATTR_SEARCH_I2C_ADDRESS_CONDITION) - Search I2C Address Min (RSSCOPE_ATTR_SEARCH_I2C_ADDRESS_MIN) - Search I2C Address Max (RSSCOPE_ATTR_SEARCH_I2C_ADDRESS_MAX)

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		<ul style="list-style-type: none"> - Search I2C Position Condition (RSSCOPE_ATTR_SEARCH_I2C_POSITION_CONDITION) - Search I2C Position Min (RSSCOPE_ATTR_SEARCH_I2C_POSITION_MIN) - Search I2C Position Max (RSSCOPE_ATTR_SEARCH_I2C_POSITION_MAX) - Search I2C Data Condition (RSSCOPE_ATTR_SEARCH_I2C_DATA_CONDITION) - Search I2C Pattern Min (RSSCOPE_ATTR_SEARCH_I2C_PATTERN_MIN) - Search I2C Pattern Max (RSSCOPE_ATTR_SEARCH_I2C_PATTERN_MAX) - Search I2C Address OR State (RSSCOPE_ATTR_SEARCH_I2C_ADDRESS_OR_STATE) - Search I2C Address OR Type (RSSCOPE_ATTR_SEARCH_I2C_ADDRESS_OR_TYPE) - Search I2C Address OR Access Bit (RSSCOPE_ATTR_SEARCH_I2C_ADDRESS_OR_ACCESS_BIT) - Search I2C Address OR (RSSCOPE_ATTR_SEARCH_I2C_ADDRESS_OR) - Search I2C Frame Count (RSSCOPE_ATTR_SEARCH_I2C_FRAME_COUNT) - Search LIN Mode (RSSCOPE_ATTR_SEARCH_LIN_MODE) - Search LIN Criteria Start Of Frame (RSSCOPE_ATTR_SEARCH_LIN_CRITERIA_START_OF_FRAME) - Search LIN Criteria Identifier (RSSCOPE_ATTR_SEARCH_LIN_CRITERIA_IDENTIFIER) - Search LIN Criteria Identifier OR (RSSCOPE_ATTR_SEARCH_LIN_CRITERIA_IDENTIFIER_OR) - Search LIN Criteria Identifier Data (RSSCOPE_ATTR_SEARCH_LIN_CRITERIA_IDENTIFIER_DATA) - Search LIN Criteria Wakeup Frame (RSSCOPE_ATTR_SEARCH_LIN_CRITERIA_WAKEUP_FRAME) - Search LIN Criteria Error Condition (RSSCOPE_ATTR_SEARCH_LIN_CRITERIA_ERROR_CONDITION) - Search LIN Condition Data (RSSCOPE_ATTR_SEARCH_LIN_CONDITION_DATA) - Search LIN Pattern Data Min (RSSCOPE_ATTR_SEARCH_LIN_PATTERN_DATA_MIN) - Search LIN Pattern Data Max (RSSCOPE_ATTR_SEARCH_LIN_PATTERN_DATA_MAX) - Search LIN Data Length Condition (RSSCOPE_ATTR_SEARCH_LIN_DATA_LENGTH_CONDITION) - Search LIN Data Length (RSSCOPE_ATTR_SEARCH_LIN_DATA_LENGTH) - Search LIN Data Transfer (RSSCOPE_ATTR_SEARCH_LIN_DATA_TRANSFER) - Search LIN Identifier Condition (RSSCOPE_ATTR_SEARCH_LIN_IDENTIFIER_CONDITION) - Search LIN Pattern Identifier Min (RSSCOPE_ATTR_SEARCH_LIN_PATTERN_IDENTIFIER_MIN) - Search LIN Pattern Identifier Max (RSSCOPE_ATTR_SEARCH_LIN_PATTERN_IDENTIFIER_MAX) - Search LIN Address OR State (RSSCOPE_ATTR_SEARCH_LIN_ADDRESS_OR_STATE) - Search LIN Address OR (RSSCOPE_ATTR_SEARCH_LIN_ADDRESS_OR) - Search LIN Checksum Error (RSSCOPE_ATTR_SEARCH_LIN_CHECKSUM_ERROR) - Search LIN CRC Error Pattern (RSSCOPE_ATTR_SEARCH_LIN_CRC_ERROR_PATTERN) - Search LIN CRC Error Data Length (RSSCOPE_ATTR_SEARCH_LIN_CRC_ERROR_DATA_LENGTH) - Search LIN CRC Standard (RSSCOPE_ATTR_SEARCH_LIN_CRC_STANDARD) - Search LIN Identifier Parity Error (RSSCOPE_ATTR_SEARCH_LIN_IDENTIFIER_PARITY_ERROR) - Search LIN Sync Error (RSSCOPE_ATTR_SEARCH_LIN_SYNC_ERROR) - Search LIN Frame Count (RSSCOPE_ATTR_SEARCH_LIN_FRAME_COUNT) - Search EbTb Type (RSSCOPE_ATTR_SEARCH_EBTB_TYPE) - Search EbTb Disparity Error (RSSCOPE_ATTR_SEARCH_EBTB_DISPARITY_ERROR) - Search EbTb Glitching Error (RSSCOPE_ATTR_SEARCH_EBTB_GLITCHING_ERROR) - Search EbTb Unknown Symbol Error (RSSCOPE_ATTR_SEARCH_EBTB_UNKNOWN_SYMBOL_ERROR)

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		(RSSCOPE_ATTR_PROTOCOL_MANCHESTER_NRZ_FRAME_CLEAR) - Protocol Manchester NRZ Frame Open Description (RSSCOPE_ATTR_PROTOCOL_MANCHESTER_NRZ_FRAME_OPEN_DESCRIPTION) - Protocol Manchester NRZ Frame Save Description (RSSCOPE_ATTR_PROTOCOL_MANCHESTER_NRZ_FRAME_SAVE_DESCRIPTION) - Protocol Manchester NRZ Selected Cell (RSSCOPE_ATTR_PROTOCOL_MANCHESTER_NRZ_SELECTED_CELL) - Protocol Manchester NRZ Cell Count (RSSCOPE_ATTR_PROTOCOL_MANCHESTER_NRZ_CELL_COUNT) - Protocol Manchester NRZ Add Cell (RSSCOPE_ATTR_PROTOCOL_MANCHESTER_NRZ_ADD_CELL) - Protocol Manchester NRZ Cell Name (RSSCOPE_ATTR_PROTOCOL_MANCHESTER_NRZ_CELL_NAME) - Protocol Manchester NRZ Cell Bit Count (RSSCOPE_ATTR_PROTOCOL_MANCHESTER_NRZ_CELL_BIT_COUNT) - Protocol Manchester NRZ Cell Condition (RSSCOPE_ATTR_PROTOCOL_MANCHESTER_NRZ_CELL_CONDITION) - Protocol Manchester NRZ Cell Format (RSSCOPE_ATTR_PROTOCOL_MANCHESTER_NRZ_CELL_FORMAT) - Protocol Manchester NRZ Cell Bit Order (RSSCOPE_ATTR_PROTOCOL_MANCHESTER_NRZ_CELL_BIT_ORDER) - Protocol Manchester NRZ Cell Color (RSSCOPE_ATTR_PROTOCOL_MANCHESTER_NRZ_CELL_COLOR) - Protocol Manchester NRZ Cell Result Column (RSSCOPE_ATTR_PROTOCOL_MANCHESTER_NRZ_CELL_RESULT_COLUMN) - Protocol Manchester NRZ Result Count (RSSCOPE_ATTR_PROTOCOL_MANCHESTER_NRZ_RESULT_COUNT) - Protocols EbTb Signal Type (RSSCOPE_ATTR_PROTOCOLS_EBTB_SIGNAL_TYPE) - Protocols EbTb Differential Source (RSSCOPE_ATTR_PROTOCOLS_EBTB_DIFFERENTIAL_SOURCE) - Protocols EbTb D Plus Source (RSSCOPE_ATTR_PROTOCOLS_EBTB_D_PLUS_SOURCE) - Protocols EbTb D Minus Source (RSSCOPE_ATTR_PROTOCOLS_EBTB_D_MINUS_SOURCE) - Protocols EbTb Full Autoset (RSSCOPE_ATTR_PROTOCOLS_EBTB_FULL_AUTOSSET) - Protocols EbTb Differential Threshold High (RSSCOPE_ATTR_PROTOCOLS_EBTB_DIFFERENTIAL_THRESHOLD_HIGH) - Protocols EbTb Differential Threshold Low (RSSCOPE_ATTR_PROTOCOLS_EBTB_DIFFERENTIAL_THRESHOLD_LOW) - Protocols EbTb Threshold D Plus (RSSCOPE_ATTR_PROTOCOLS_EBTB_THRESHOLD_D_PLUS) - Protocols EbTb Threshold D Minus (RSSCOPE_ATTR_PROTOCOLS_EBTB_THRESHOLD_D_MINUS) - Protocols EbTb Bitrate (RSSCOPE_ATTR_PROTOCOLS_EBTB_BITRATE) - Protocols EbTb Bitrate Determination (RSSCOPE_ATTR_PROTOCOLS_EBTB_BITRATE_DETERMINATION) - Protocols EbTb SW CDR Bitrate (RSSCOPE_ATTR_PROTOCOLS_EBTB_SW_CDR_BITRATE) - Protocols EbTb Sync Symbol (RSSCOPE_ATTR_PROTOCOLS_EBTB_SYNC_SYMBOL) - Protocols EbTb Pattern (RSSCOPE_ATTR_PROTOCOLS_EBTB_PATTERN) - Protocols EbTb Second Pattern Enabled

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		<p>(RSSCOPE_ATTR_PROTOCOLS_EBTB_SECOND_PATTERN_ENABLED)</p> <ul style="list-style-type: none"> - Protocols EbTb Second Pattern (RSSCOPE_ATTR_PROTOCOLS_EBTB_SECOND_PATTERN) - Protocols EbTb Display Format (RSSCOPE_ATTR_PROTOCOLS_EBTB_DISPLAY_FORMAT) - Protocol EbTb Symbol Count (RSSCOPE_ATTR_PROTOCOL_EBTB_SYMBOL_COUNT) - Protocol SENT Data Source (RSSCOPE_ATTR_PROTOCOL_SENT_DATA_SOURCE) - Protocol SENT Threshold (RSSCOPE_ATTR_PROTOCOL_SENT_THRESHOLD) - Protocol SENT Technology (RSSCOPE_ATTR_PROTOCOL_SENT_TECHNOLOGY) - Protocol SENT Clock Period (RSSCOPE_ATTR_PROTOCOL_SENT_CLOCK_PERIOD) - Protocol SENT Clock Tolerance (RSSCOPE_ATTR_PROTOCOL_SENT_CLOCK_TOLERANCE) - Protocol SENT Data Nibbles (RSSCOPE_ATTR_PROTOCOL_SENT_DATA_NIBBLES) - Protocol SENT Serial Format (RSSCOPE_ATTR_PROTOCOL_SENT_SERIAL_FORMAT) - Protocol SENT CRC Version (RSSCOPE_ATTR_PROTOCOL_SENT_CRC_VERSION) - Protocol SENT CRC Calculation (RSSCOPE_ATTR_PROTOCOL_SENT_CRC_CALCULATION) - Protocol SENT Pause Pulse (RSSCOPE_ATTR_PROTOCOL_SENT_PAUSE_PULSE) - Protocol SENT Frame Length (RSSCOPE_ATTR_PROTOCOL_SENT_FRAME_LENGTH) - Protocol SENT Result Display (RSSCOPE_ATTR_PROTOCOL_SENT_RESULT_DISPLAY) - Protocol SENT Frame Count (RSSCOPE_ATTR_PROTOCOL_SENT_FRAME_COUNT) - Display Message Enabled (RSSCOPE_ATTR_DISPLAY_MESSAGE_ENABLED) - Display Message Text (RSSCOPE_ATTR_DISPLAY_MESSAGE_TEXT) - Process All Previous Commands (RSSCOPE_ATTR_PROCESS_ALL_PREVIOUS_COMMANDS) <p>* Deleted attributes:</p> <ul style="list-style-type: none"> - Stop Command Processing (RSSCOPE_ATTR_STOP_COMMAND_PROCESSING) <p>* Modified attributes:</p> <ul style="list-style-type: none"> - Horizontal Time Per Record (RSSCOPE_ATTR_HORZ_TIME_PER_RECORD) - Range changed. - Horizontal Scale (RSSCOPE_ATTR_HORZ_SCALE) - Range changed. - Probe Attenuation Manual (RSSCOPE_ATTR_PROBE_ATTENUATION_MANUAL) - Range changed. - Probe Gain Manual (RSSCOPE_ATTR_PROBE_GAIN_MANUAL) - Changed default - Probe Predefined Current Probe (RSSCOPE_ATTR_PROBE_PREDEFINED_CURRENT_PROBE) - ZC30 added. - Channel Bandwidth Limit (RSSCOPE_ATTR_CHANNEL_BANDWIDTH_LIMIT) - Values removed. - Interval Polarity (RSSCOPE_ATTR_INTERVAL_POLARITY) - Command changed - Protocol USB Trigger Type (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_TYPE) - Reset command string changed. - Jitter Clock Measurement Cycle Offset (RSSCOPE_ATTR_JITTER_CLOCK_MEASUREMENT_CYCLE_OFFSET) - Command changed from MEASurement:JITTer:COFFset - Spectrum Noise Reject (RSSCOPE_ATTR_SPECTRUM_NOISE_REJECT) - Changed command form NRE to THR. - Spectrum Peak Excursion (RSSCOPE_ATTR_SPECTRUM_PEAK_EXCURSION) - Changed command form NRE to THR. - Gating Relative Start (RSSCOPE_ATTR_GATING_RELATIVE_START) - Range added.

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		<ul style="list-style-type: none"> - Gating Relative Stop (RSSCOPE_ATTR_GATING_RELATIVE_STOP) - Range changed. - FFT Magnitude Unit (RSSCOPE_ATTR_FFT_MAGNITUDE_UNIT) - New values. - FFT Gate Relative Start (RSSCOPE_ATTR_FFT_GATE_RELATIVE_START) - Range added. - FFT Gate Relative Stop (RSSCOPE_ATTR_FFT_GATE_RELATIVE_STOP) - Range added. - Search Trigger Interval Polarity (RSSCOPE_ATTR_SEARCH_TRIGGER_INTERVAL_POLARITY) - Command changed. - Search CAN Start Of Frame Enabled (RSSCOPE_ATTR_SEARCH_CAN_START_OF_FRAME_ENABLED) - Command long form updated. - Search FlexRay Start Of Frame Enabled (RSSCOPE_ATTR_SEARCH_FLEXRAY_START_OF_FRAME_ENABLED) - Command long form updated. - Protocol Type (RSSCOPE_ATTR_PROTOCOL_TYPE) - New values. - Protocol CAN Sample Point Abs (RSSCOPE_ATTR_PROTOCOL_CAN_SAMPLE_POINT_ABS) - Range added. - Power Ripple Frequency (RSSCOPE_ATTR_POWER_RIPPLE_FREQUENCY) - Range changed - Transient Response Trigger Level (RSSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_TRIGGER_LEVEL) - Changed range. - Transient Response Tube Tolerance (RSSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_TUBE_TOLERANCE) - Min changed. - Transient Response Signal High (RSSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_SIGNAL_HIGH) - Range changed - Transient Response Signal Low (RSSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_SIGNAL_LOW) - Range changed. - CDR Software Bit Rate (RSSCOPE_ATTR_CDR_SOFTWARE_BIT_RATE) - Min changed. <p>* Deleted Repeated Capabilities:</p> <p>* Modified Repeated Capabilities:</p> <p>* Modified Range Tables:</p> <ul style="list-style-type: none"> - rscope_rngHorzScale - RSSCOPE_ATTR_HORZ_SCALE Range changed to <25E-12;10000> - rscope_rngHorzAcquisitionTime - RSSCOPE_ATTR_HORZ_TIME_PER_RECORD Range changed to <250E-12;100E+3> - rscope_rngChannelBWLimit - RSSCOPE_ATTR_CHANNEL_BANDWIDTH_LIMIT Deleted items: RSSCOPE_VAL_BW_1000, RSSCOPE_VAL_BW_500 - rscope_rngTriggerLevel - RSSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_TRIGGER_LEVEL Range changed to <-1000;1000> - rscope_rngFFTMagnitudeUnit - RSSCOPE_ATTR_FFT_MAGNITUDE_UNIT New items: RSSCOPE_VAL_SCALE_DBPS, RSSCOPE_VAL_SCALE_DBNS, RSSCOPE_VAL_SCALE_DBUS, RSSCOPE_VAL_SCALE_DBMS, RSSCOPE_VAL_SCALE_DBS, RSSCOPE_VAL_SCALE_DBHZ, RSSCOPE_VAL_SCALE_DBKHZ, RSSCOPE_VAL_SCALE_DBMHZ, RSSCOPE_VAL_SCALE_DBGHZ, RSSCOPE_VAL_SCALE_DBA, RSSCOPE_VAL_SCALE_DBMA, RSSCOPE_VAL_SCALE_DBUA

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		<p>- rscope_rngProtocolType - RSSCOPE_ATTR_PROTOCOL_TYPE New items: RSSCOPE_VAL_CMSB, RSSCOPE_VAL_EBTB, RSSCOPE_VAL_SENT</p> <p>- rscope_rngAttenuation - RSSCOPE_ATTR_PROBE_ATTENUATION_MANUAL, RSSCOPE_ATTR_TRIGGER_PROBE_ATTENUATION_MANUAL Range changed to <100.0e-6;10000.0></p> <p>- rscope_rngProbePredefinedCurrent - RSSCOPE_ATTR_PROBE_PREDEFINED_CURRENT_PROBE, RSSCOPE_ATTR_TRIGGER_PROBE_PREDEFINED_CURRENT_PROBE New items: RSSCOPE_VAL_PROBE_ZC30</p> <p>- rscope_rngCDRBitRate - RSSCOPE_ATTR_CDR_SOFTWARE_BIT_RATE Range changed to <100;5e+9></p> <p>- RsScope_rngPowerSwitchingFrequency - RSSCOPE_ATTR_POWER_RIPPLE_FREQUENCY, RSSCOPE_ATTR_POWER_SPECTRUM_FREQUENCY, RSSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_FREQUENCY Range changed to <1.0;100.0e+9></p> <p>- RsScope_rngTransientResponseTubeTolerance - RSSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_TUBE_TOLERANCE Range changed to <0;50></p> <p>- RsScope_rngTransientResponseSignal - RSSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_SIGNAL_HIGH, RSSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_SIGNAL_LOW Range changed to <-1000;1000></p> <p>- rscope_rngProtocolDataIndexOperator - RSSCOPE_ATTR_PROTOCOL_MIL1553_TRIGGER_DATA_INDEX_CONDITION, RSSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_INDEX_CONDITION, RSSCOPE_ATTR_MANCHESTER_NRZ_TRIGGER_INDEX_CONDITION, RSSCOPE_ATTR_SEARCH_MIL1553_DATA_INDEX_CONDITION, RSSCOPE_ATTR_SEARCH_RFFE_INDEX_CONDITION Deleted items: RSSCOPE_VAL_COND_LT, RSSCOPE_VAL_COND_LE, RSSCOPE_VAL_COND_GT</p> <p>- rscope_rngProtocolUSBTriggerType.RSSCOPE_VAL_USB_TRIGGER_RESET - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_TYPE Command changed ("RST", "RESet")</p>
2.45.0	04/2015	<p>Support for RTO & RTE version 2.45</p> <p>New Subsystems</p> <p>High Definition</p> <p>Search Subsystem in MIL1553 protocol</p> <p>Search Subsystem in ARINC 429 protocol</p> <p>RFFE</p> <p>MDIO</p> <p>Ethernet</p> <p>USB</p> <p>New</p> <p>rscope Configure Auto Adjustment.vi</p>

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		rscope Configure Bus Data Format.vi rscope Configure Bus Label List File.vi rscope Configure CAN FD.vi rscope Configure CAN Trigger Standard.vi rscope Configure CAN Trigger FD Bits.vi rscope Configure CAN Trigger Data Position.vi rscope Configure CAN Symbolic Trigger Message.vi rscope Configure CAN Symbolic Trigger Signal.vi rscope Configure CAN Symbolic Trigger Signal Enum Value.vi rscope Query CAN Frame FD Standard.vi rscope Query CAN Frame All Symbolic Data.vi rscope Configure CAN Search Symbolic.vi rscope Configure CAN Search Standard.vi rscope Configure CAN Search FD Bits.vi rscope Configure CAN Search Data Position.vi rscope Configure CAN Symbolic Search Message.vi rscope Configure CAN Symbolic Search Signal.vi rscope Configure CAN Symbolic Search Signal Enum Value.vi rscope Query CAN Search Frame Symbolic Data.vi rscope Configure MIL1553 Trigger Data RTA Pattern.vi rscope Configure MIL1553 Trigger Command RTA Pattern.vi rscope Configure Hardcopy White Background.vi rscope Query MSO Digital Resolution.vi rscope Byte Order.vi rscope Configure Saveset Preview Image.vi rscope Query I2C Frame Data Byte Acknowledge Bit Start.vi rscope Configure Hardcopy Inverse Colors.vi rscope Configure Hardcopy Print Color Set.vi rscope Power Ripple Current.vi rscope Power Safe Operating Area Switch.vi Acquisition Auto Adjustment (RSSCOPE_ATTR_ACQUISITION_AUTO_ADJUSTMENT) High Definition Enabled (RSSCOPE_ATTR_HIGH_DEFINITION_ENABLED) High Definition Bandwidth (RSSCOPE_ATTR_HIGH_DEFINITION_BANDWIDTH) High Definition Resolution (RSSCOPE_ATTR_HIGH_DEFINITION_RESOLUTION) Protocol CAN Trigger Standard (RSSCOPE_ATTR_PROTOCOL_CAN_TRIGGER_STANDARD) Protocol CAN Trigger FD Bits FDF (RSSCOPE_ATTR_PROTOCOL_CAN_TRIGGER_FD_BITS_FDF) Protocol CAN Trigger FD Bits BRS (RSSCOPE_ATTR_PROTOCOL_CAN_TRIGGER_FD_BITS_BRS) Protocol CAN Trigger FD Bits ESI (RSSCOPE_ATTR_PROTOCOL_CAN_TRIGGER_FD_BITS_ESI) Protocol CAN Trigger Position Condition (RSSCOPE_ATTR_PROTOCOL_CAN_TRIGGER_POSITION_CONDITION) Protocol CAN Trigger Position Min (RSSCOPE_ATTR_PROTOCOL_CAN_TRIGGER_POSITION_MIN)

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		Protocol CAN Trigger Position Max (RSSCOPE_ATTR_PROTOCOL_CAN_TRIGGER_POSITION_MAX) Protocol CAN Symbolic Trigger Message (RSSCOPE_ATTR_PROTOCOL_CAN_SYMBOLIC_TRIGGER_MESSAGE) Protocol CAN Symbolic Trigger On Signal (RSSCOPE_ATTR_PROTOCOL_CAN_SYMBOLIC_TRIGGER_ON_SIGNAL) Protocol CAN Symbolic Trigger Signal Value (RSSCOPE_ATTR_PROTOCOL_CAN_SYMBOLIC_TRIGGER_SIGNAL_VALUE) Protocol CAN Symbolic Trigger Signal Min (RSSCOPE_ATTR_PROTOCOL_CAN_SYMBOLIC_TRIGGER_SIGNAL_MIN) Protocol CAN Symbolic Trigger Signal Max (RSSCOPE_ATTR_PROTOCOL_CAN_SYMBOLIC_TRIGGER_SIGNAL_MAX) Protocol CAN Symbolic Trigger Signal Enum Value (RSSCOPE_ATTR_PROTOCOL_CAN_SYMBOLIC_TRIGGER_SIGNAL_ENUM_VALUE) Protocol MIL1553 Trigger RTA Data Pattern Condition (RSSCOPE_ATTR_PROTOCOL_MIL1553_TRIGGER_RTA_DATA_PATTERN_CONDITION) Protocol MIL1553 Trigger RTA Data Pattern Min (RSSCOPE_ATTR_PROTOCOL_MIL1553_TRIGGER_RTA_DATA_PATTERN_MIN) Protocol MIL1553 Trigger RTA Data Pattern Max (RSSCOPE_ATTR_PROTOCOL_MIL1553_TRIGGER_RTA_DATA_PATTERN_MAX) Protocol MIL1553 Trigger Command RTA Pattern Condition (RSSCOPE_ATTR_PROTOCOL_MIL1553_TRIGGER_COMMAND_RTA_PATTERN_CONDITION) Protocol MIL1553 Trigger Command RTA Pattern Min (RSSCOPE_ATTR_PROTOCOL_MIL1553_TRIGGER_COMMAND_RTA_PATTERN_MIN) Protocol MIL1553 Trigger Command RTA Pattern Max (RSSCOPE_ATTR_PROTOCOL_MIL1553_TRIGGER_COMMAND_RTA_PATTERN_MAX) Protocol RFFE Trigger Type (RSSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_TYPE) Protocol RFFE Trigger Slave Condition (RSSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_SLAVE_CONDITION) Protocol RFFE Trigger Slave Min (RSSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_SLAVE_MIN) Protocol RFFE Trigger Slave Max (RSSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_SLAVE_MAX) Protocol RFFE Trigger Address Condition (RSSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_ADDRESS_CONDITION) Protocol RFFE Trigger Address Min (RSSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_ADDRESS_MIN) Protocol RFFE Trigger Address Max (RSSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_ADDRESS_MAX) Protocol RFFE Trigger Byte Count Condition (RSSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_BYTE_COUNT_CONDITION) Protocol RFFE Trigger Byte Count Min (RSSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_BYTE_COUNT_MIN) Protocol RFFE Trigger Byte Count Max (RSSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_BYTE_COUNT_MAX) Protocol RFFE Trigger Data Condition (RSSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_DATA_CONDITION) Protocol RFFE Trigger Data Min (RSSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_DATA_MIN) Protocol RFFE Trigger Data Max (RSSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_DATA_MAX) Protocol RFFE Trigger Index Condition

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		(RSSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_INDEX_CONDITION) Protocol RFFE Trigger Index Min (RSSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_INDEX_MIN) Protocol RFFE Trigger Index Max (RSSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_INDEX_MAX) Protocol RFFE Trigger Error SCC (RSSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_ERROR_SCC) Protocol RFFE Trigger Error Length (RSSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_ERROR_LENGTH) Protocol RFFE Trigger Error Bus Park (RSSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_ERROR_BUS_PARK) Protocol RFFE Trigger Error Parity (RSSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_ERROR_PARITY) Protocol RFFE Trigger Error No Response (RSSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_ERROR_NO_RESPONSE) Protocol RFFE Trigger Error Unknown (RSSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_ERROR_UNKNOWN) Protocol MDIO Trigger Type (RSSCOPE_ATTR_PROTOCOL_MDIO_TRIGGER_TYPE) Protocol MDIO Trigger Start Code (RSSCOPE_ATTR_PROTOCOL_MDIO_TRIGGER_START_CODE) Protocol MDIO Trigger Operation Code (RSSCOPE_ATTR_PROTOCOL_MDIO_TRIGGER_OPERATION_CODE) Protocol MDIO Trigger Physical Port Address (RSSCOPE_ATTR_PROTOCOL_MDIO_TRIGGER_PHYSICAL_PORT_ADDRESS) Protocol MDIO Trigger Register Device Address (RSSCOPE_ATTR_PROTOCOL_MDIO_TRIGGER_REGISTER_DEVICE_ADDRESS) Protocol MDIO Trigger Data Address Pattern (RSSCOPE_ATTR_PROTOCOL_MDIO_TRIGGER_DATA_ADDRESS_PATTERN) Protocol USB Trigger Type (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_TYPE) Protocol USB Trigger Token (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_TOKEN) Protocol USB Trigger Data Type (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_DATA_TYPE) Protocol USB Trigger Handshake (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_HANDSHAKE) Protocol USB Trigger Special PID (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_SPECIAL_PID) Protocol USB Trigger Error Condition (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_ERROR_CONDITION) Protocol USB Trigger PID Error Check (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_PID_ERROR_CHECK) Protocol USB Trigger End Point Check (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_END_POINT_CHECK) Protocol USB Trigger End Point Check Condition (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_END_POINT_CHECK_CONDITION) Protocol USB Trigger End Point Check Min (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_END_POINT_CHECK_MIN) Protocol USB Trigger End Point Check Max (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_END_POINT_CHECK_MAX) Protocol USB Trigger Address Check (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_ADDRESS_CHECK) Protocol USB Trigger Address Check Condition (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_ADDRESS_CHECK_CONDITION) Protocol USB Trigger Address Check Min

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		(RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_ADDRESS_CHECK_MIN) Protocol USB Trigger Address Check Max (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_ADDRESS_CHECK_MAX) Protocol USB Trigger Payload Check (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_PAYLOAD_CHECK) Protocol USB Trigger Payload Check Condition (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_PAYLOAD_CHECK_CONDITION) Protocol USB Trigger Payload Check Position (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_PAYLOAD_CHECK_POSITION) Protocol USB Trigger Payload Check Data Condition (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_PAYLOAD_CHECK_DATA_CONDITION) Protocol USB Trigger Payload Check Pattern (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_PAYLOAD_CHECK_PATTERN) Protocol USB Trigger Frame Check (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_FRAME_CHECK) Protocol USB Trigger Frame Check Condition (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_FRAME_CHECK_CONDITION) Protocol USB Trigger Frame Check Min (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_FRAME_CHECK_MIN) Protocol USB Trigger Frame Check Max (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_FRAME_CHECK_MAX) Protocol USB Trigger SC Check (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_SC_CHECK) Protocol USB Trigger SC Check Start Complete (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_SC_CHECK_START_COMPLETE) Protocol USB Trigger Port Check (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_PORT_CHECK) Protocol USB Trigger Port Check Condition (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_PORT_CHECK_CONDITION) Protocol USB Trigger Port Check Min (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_PORT_CHECK_MIN) Protocol USB Trigger Port Check Max (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_PORT_CHECK_MAX) Protocol USB Trigger SEU Check (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_SEU_CHECK) Protocol USB Trigger SEU Check Condition (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_SEU_CHECK_CONDITION) Protocol USB Trigger SEU Check Min (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_SEU_CHECK_MIN) Protocol USB Trigger SEU Check Max (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_SEU_CHECK_MAX) Protocol USB Trigger ET Check (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_ET_CHECK) Protocol USB Trigger ET Check Condition (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_ET_CHECK_CONDITION) Protocol USB Trigger ET Check Min (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_ET_CHECK_MIN) Protocol USB Trigger ET Check Max (RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_ET_CHECK_MAX) Search CAN Symbolic Enabled (RSSCOPE_ATTR_SEARCH_CAN_SYMBOLIC_ENABLED) Search CAN Standard (RSSCOPE_ATTR_SEARCH_CAN_STANDARD) Search CAN FD Bits FDF (RSSCOPE_ATTR_SEARCH_CAN_FD_BITS_FDF)

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		Search CAN FD Bits BRS (RSSCOPE_ATTR_SEARCH_CAN_FD_BITS_BRS) Search CAN FD Bits ESI (RSSCOPE_ATTR_SEARCH_CAN_FD_BITS_ESI) Search CAN Position Condition (RSSCOPE_ATTR_SEARCH_CAN_POSITION_CONDITION) Search CAN Position Min (RSSCOPE_ATTR_SEARCH_CAN_POSITION_MIN) Search CAN Position Max (RSSCOPE_ATTR_SEARCH_CAN_POSITION_MAX) Search CAN Symbolic Message (RSSCOPE_ATTR_SEARCH_CAN_SYMBOLIC_MESSAGE) Search CAN Symbolic Search For Signal (RSSCOPE_ATTR_SEARCH_CAN_SYMBOLIC_SEARCH_FOR_SIGNAL) Search CAN Symbolic Signal Value (RSSCOPE_ATTR_SEARCH_CAN_SYMBOLIC_SIGNAL_VALUE) Search CAN Symbolic Signal Min (RSSCOPE_ATTR_SEARCH_CAN_SYMBOLIC_SIGNAL_MIN) Search CAN Symbolic Signal Max (RSSCOPE_ATTR_SEARCH_CAN_SYMBOLIC_SIGNAL_MAX) Search CAN Symbolic Signal Enum Value (RSSCOPE_ATTR_SEARCH_CAN_SYMBOLIC_SIGNAL_ENUM_VALUE) Search MIL1553 Mode (RSSCOPE_ATTR_SEARCH_MIL1553_MODE) Search MIL1553 Sync Type (RSSCOPE_ATTR_SEARCH_MIL1553_SYNC_TYPE) Search MIL1553 Data Pattern Condition (RSSCOPE_ATTR_SEARCH_MIL1553_DATA_PATTERN_CONDITION) Search MIL1553 Data Pattern Min (RSSCOPE_ATTR_SEARCH_MIL1553_DATA_PATTERN_MIN) Search MIL1553 Data Pattern Max (RSSCOPE_ATTR_SEARCH_MIL1553_DATA_PATTERN_MAX) Search MIL1553 Data Index Condition (RSSCOPE_ATTR_SEARCH_MIL1553_DATA_INDEX_CONDITION) Search MIL1553 Data Index Min (RSSCOPE_ATTR_SEARCH_MIL1553_DATA_INDEX_MIN) Search MIL1553 Data Index Max (RSSCOPE_ATTR_SEARCH_MIL1553_DATA_INDEX_MAX) Search MIL1553 RTA Data Pattern Condition (RSSCOPE_ATTR_SEARCH_MIL1553_RT_DATA_PATTERN_CONDITION) Search MIL1553 RTA Data Pattern Min (RSSCOPE_ATTR_SEARCH_MIL1553_RT_DATA_PATTERN_MIN) Search MIL1553 RTA Data Pattern Max (RSSCOPE_ATTR_SEARCH_MIL1553_RT_DATA_PATTERN_MAX) Search MIL1553 Command Status RTA Pattern Condition (RSSCOPE_ATTR_SEARCH_MIL1553_COMMAND_STATUS_RT_DATA_PATTERN_CONDITION) Search MIL1553 Command Status RTA Pattern Min (RSSCOPE_ATTR_SEARCH_MIL1553_COMMAND_STATUS_RT_DATA_PATTERN_MIN) Search MIL1553 Command Status RTA Pattern Max (RSSCOPE_ATTR_SEARCH_MIL1553_COMMAND_STATUS_RT_DATA_PATTERN_MAX) Search MIL1553 Info Pattern Condition (RSSCOPE_ATTR_SEARCH_MIL1553_INFO_PATTERN_CONDITION) Search MIL1553 Info Pattern Min (RSSCOPE_ATTR_SEARCH_MIL1553_INFO_PATTERN_MIN) Search MIL1553 Info Pattern Max (RSSCOPE_ATTR_SEARCH_MIL1553_INFO_PATTERN_MAX) Search MIL1553 Command Transmit Receive (RSSCOPE_ATTR_SEARCH_MIL1553_COMMAND_TRANSMIT_RECEIVE) Search MIL1553 Command Subaddress Pattern Condition (RSSCOPE_ATTR_SEARCH_MIL1553_COMMAND_SUBADDRESS_PATTERN_CONDITION) Search MIL1553 Command Subaddress Pattern Min (RSSCOPE_ATTR_SEARCH_MIL1553_COMMAND_SUBADDRESS_PATTERN_MIN)

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		Search MIL1553 Command Subaddress Pattern Max (RSSCOPE_ATTR_SEARCH_MIL1553_COMMAND_SUBADDRESS_PATTERN_MAX) Search MIL1553 Command RTA Pattern Condition (RSSCOPE_ATTR_SEARCH_MIL1553_COMMAND_RTA_PATTERN_CONDITION) Search MIL1553 Command RTA Pattern Min (RSSCOPE_ATTR_SEARCH_MIL1553_COMMAND_RTA_PATTERN_MIN) Search MIL1553 Command RTA Pattern Max (RSSCOPE_ATTR_SEARCH_MIL1553_COMMAND_RTA_PATTERN_MAX) Search MIL1553 Command Word Count Pattern Condition (RSSCOPE_ATTR_SEARCH_MIL1553_COMMAND_WORD_COUNT_PATTERN_CONDITION) Search MIL1553 Command Word Count Pattern Min (RSSCOPE_ATTR_SEARCH_MIL1553_COMMAND_WORD_COUNT_PATTERN_MIN) Search MIL1553 Command Word Count Pattern Max (RSSCOPE_ATTR_SEARCH_MIL1553_COMMAND_WORD_COUNT_PATTERN_MAX) Search MIL1553 Status Flag Message Error (RSSCOPE_ATTR_SEARCH_MIL1553_STATUS_FLAG_MESSAGE_ERROR) Search MIL1553 Status Flag Busy (RSSCOPE_ATTR_SEARCH_MIL1553_STATUS_FLAG_BUSY) Search MIL1553 Status Flag Instrumentation (RSSCOPE_ATTR_SEARCH_MIL1553_STATUS_FLAG_INSTRUMENTATION) Search MIL1553 Status Flag Subsystem (RSSCOPE_ATTR_SEARCH_MIL1553_STATUS_FLAG_SUBSYSTEM) Search MIL1553 Status Flag Service Request (RSSCOPE_ATTR_SEARCH_MIL1553_STATUS_FLAG_SERVICE_REQUEST) Search MIL1553 Status Flag Dynamic Bus Control (RSSCOPE_ATTR_SEARCH_MIL1553_STATUS_FLAG_DYNAMIC_BUS_CONTROL) Search MIL1553 Status Flag Broadcast Command (RSSCOPE_ATTR_SEARCH_MIL1553_STATUS_FLAG_BROADCAST_COMMAND) Search MIL1553 Status Flag Terminal (RSSCOPE_ATTR_SEARCH_MIL1553_STATUS_FLAG_TERMINAL) Search MIL1553 Error Synchronization Error (RSSCOPE_ATTR_SEARCH_MIL1553_ERROR_SYNCHRONIZATION_ERROR) Search MIL1553 Error Parity Error (RSSCOPE_ATTR_SEARCH_MIL1553_ERROR_PARITY_ERROR) Search MIL1553 Error Manchester Coding Error (RSSCOPE_ATTR_SEARCH_MIL1553_ERROR_MANCHESTER_CODING_ERROR) Search MIL1553 Error Timing Error (RSSCOPE_ATTR_SEARCH_MIL1553_ERROR_TIMING_ERROR) Search MIL1553 Words Count (RSSCOPE_ATTR_SEARCH_MIL1553_WORDS_COUNT) Search ARINC429 Mode (RSSCOPE_ATTR_SEARCH_ARINC429_MODE) Search ARINC429 Label Data SDI (RSSCOPE_ATTR_SEARCH_ARINC429_LABEL_DATA_SDI) Search ARINC429 Label Data SSM (RSSCOPE_ATTR_SEARCH_ARINC429_LABEL_DATA_SSM) Search ARINC429 Label Pattern Condition (RSSCOPE_ATTR_SEARCH_ARINC429_LABEL_PATTERN_CONDITION) Search ARINC429 Label Pattern Min (RSSCOPE_ATTR_SEARCH_ARINC429_LABEL_PATTERN_MIN) Search ARINC429 Label Pattern Max (RSSCOPE_ATTR_SEARCH_ARINC429_LABEL_PATTERN_MAX) Search ARINC429 Data Pattern Condition (RSSCOPE_ATTR_SEARCH_ARINC429_DATA_PATTERN_CONDITION) Search ARINC429 Data Pattern Min (RSSCOPE_ATTR_SEARCH_ARINC429_DATA_PATTERN_MIN)

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		Search ARINC429 Data Pattern Max (RSSCOPE_ATTR_SEARCH_ARINC429_DATA_PATTERN_MAX) Search ARINC429 Error Coding Error (RSSCOPE_ATTR_SEARCH_ARINC429_ERROR_CODING_ERROR) Search ARINC429 Error Parity Error (RSSCOPE_ATTR_SEARCH_ARINC429_ERROR_PARITY_ERROR) Search ARINC429 Error Timing Error (RSSCOPE_ATTR_SEARCH_ARINC429_ERROR_TIMING_ERROR) Search ARINC429 Words Count (RSSCOPE_ATTR_SEARCH_ARINC429_WORDS_COUNT) Search RFFE Type (RSSCOPE_ATTR_SEARCH_RFFE_TYPE) Search RFFE Slave Condition (RSSCOPE_ATTR_SEARCH_RFFE_SLAVE_CONDITION) Search RFFE Slave Min (RSSCOPE_ATTR_SEARCH_RFFE_SLAVE_MIN) Search RFFE Slave Max (RSSCOPE_ATTR_SEARCH_RFFE_SLAVE_MAX) Search RFFE Address Condition (RSSCOPE_ATTR_SEARCH_RFFE_ADDRESS_CONDITION) Search RFFE Address Min (RSSCOPE_ATTR_SEARCH_RFFE_ADDRESS_MIN) Search RFFE Address Max (RSSCOPE_ATTR_SEARCH_RFFE_ADDRESS_MAX) Search RFFE Byte Count Condition (RSSCOPE_ATTR_SEARCH_RFFE_BYTE_COUNT_CONDITION) Search RFFE Byte Count Min (RSSCOPE_ATTR_SEARCH_RFFE_BYTE_COUNT_MIN) Search RFFE Byte Count Max (RSSCOPE_ATTR_SEARCH_RFFE_BYTE_COUNT_MAX) Search RFFE Data Condition (RSSCOPE_ATTR_SEARCH_RFFE_DATA_CONDITION) Search RFFE Data Min (RSSCOPE_ATTR_SEARCH_RFFE_DATA_MIN) Search RFFE Data Max (RSSCOPE_ATTR_SEARCH_RFFE_DATA_MAX) Search RFFE Index Condition (RSSCOPE_ATTR_SEARCH_RFFE_INDEX_CONDITION) Search RFFE Index Min (RSSCOPE_ATTR_SEARCH_RFFE_INDEX_MIN) Search RFFE Index Max (RSSCOPE_ATTR_SEARCH_RFFE_INDEX_MAX) Search RFFE Error SCC (RSSCOPE_ATTR_SEARCH_RFFE_ERROR_SCC) Search RFFE Error Length (RSSCOPE_ATTR_SEARCH_RFFE_ERROR_LENGTH) Search RFFE Error Bus Park (RSSCOPE_ATTR_SEARCH_RFFE_ERROR_BUS_PARK) Search RFFE Error Parity (RSSCOPE_ATTR_SEARCH_RFFE_ERROR_PARITY) Search RFFE Error No Response (RSSCOPE_ATTR_SEARCH_RFFE_ERROR_NO_RESPONSE) Search RFFE Error Unknown (RSSCOPE_ATTR_SEARCH_RFFE_ERROR_UNKNOWN) Search RFFE Sequence Count (RSSCOPE_ATTR_SEARCH_RFFE_SEQUENCE_COUNT) Search MDIO Type (RSSCOPE_ATTR_SEARCH_MDIO_TYPE) Search MDIO Start Code (RSSCOPE_ATTR_SEARCH_MDIO_START_CODE) Search MDIO Operation Code (RSSCOPE_ATTR_SEARCH_MDIO_OPERATION_CODE) Search MDIO Physical Port Address (RSSCOPE_ATTR_SEARCH_MDIO_PHYSICAL_PORT_ADDRESS) Search MDIO Register Device Address (RSSCOPE_ATTR_SEARCH_MDIO_REGISTER_DEVICE_ADDRESS) Search MDIO Data Address Pattern (RSSCOPE_ATTR_SEARCH_MDIO_DATA_ADDRESS_PATTERN) Search MDIO Word Count (RSSCOPE_ATTR_SEARCH_MDIO_WORD_COUNT) Search Ethernet Frame Enabled (RSSCOPE_ATTR_SEARCH_ETHERNET_FRAME_ENABLED) Search Ethernet Error Enabled (RSSCOPE_ATTR_SEARCH_ETHERNET_ERROR_ENABLED) Search Ethernet Destination Address Condition

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		(RSSCOPE_ATTR_SEARCH_ETHERNET_DESTINATION_ADDRESS_CONDITION) Search Ethernet Destination Address Min (RSSCOPE_ATTR_SEARCH_ETHERNET_DESTINATION_ADDRESS_MIN) Search Ethernet Destination Address Max (RSSCOPE_ATTR_SEARCH_ETHERNET_DESTINATION_ADDRESS_MAX) Search Ethernet Source Address Condition (RSSCOPE_ATTR_SEARCH_ETHERNET_SOURCE_ADDRESS_CONDITION) Search Ethernet Source Address Min (RSSCOPE_ATTR_SEARCH_ETHERNET_SOURCE_ADDRESS_MIN) Search Ethernet Source Address Max (RSSCOPE_ATTR_SEARCH_ETHERNET_SOURCE_ADDRESS_MAX) Search Ethernet Type Length Condition (RSSCOPE_ATTR_SEARCH_ETHERNET_TYPE_LENGTH_CONDITION) Search Ethernet Type Length Min (RSSCOPE_ATTR_SEARCH_ETHERNET_TYPE_LENGTH_MIN) Search Ethernet Type Length Max (RSSCOPE_ATTR_SEARCH_ETHERNET_TYPE_LENGTH_MAX) Search Ethernet Frame Check Condition (RSSCOPE_ATTR_SEARCH_ETHERNET_FRAME_CHECK_CONDITION) Search Ethernet Frame Check Min (RSSCOPE_ATTR_SEARCH_ETHERNET_FRAME_CHECK_MIN) Search Ethernet Frame Check Max (RSSCOPE_ATTR_SEARCH_ETHERNET_FRAME_CHECK_MAX) Search Ethernet Error Preamble (RSSCOPE_ATTR_SEARCH_ETHERNET_ERROR_PREAMBLE) Search Ethernet Error Length (RSSCOPE_ATTR_SEARCH_ETHERNET_ERROR_LENGTH) Search Ethernet Word Count (RSSCOPE_ATTR_SEARCH_ETHERNET_WORD_COUNT) Search USB Criteria Start Of Packet (RSSCOPE_ATTR_SEARCH_USB_CRITERIA_START_OF_PACKET) Search USB Criteria Token (RSSCOPE_ATTR_SEARCH_USB_CRITERIA_TOKEN) Search USB Criteria Data (RSSCOPE_ATTR_SEARCH_USB_CRITERIA_DATA) Search USB Criteria Handshake (RSSCOPE_ATTR_SEARCH_USB_CRITERIA_HANDSHAKE) Search USB Criteria Special PID (RSSCOPE_ATTR_SEARCH_USB_CRITERIA_SPECIAL_PID) Search USB Criteria Error (RSSCOPE_ATTR_SEARCH_USB_CRITERIA_ERROR) Search USB Token (RSSCOPE_ATTR_SEARCH_USB_TOKEN) Search USB Data Type (RSSCOPE_ATTR_SEARCH_USB_DATA_TYPE) Search USB Handshake (RSSCOPE_ATTR_SEARCH_USB_HANDSHAKE) Search USB Special PID (RSSCOPE_ATTR_SEARCH_USB_SPECIAL_PID) Search USB PID Error Check (RSSCOPE_ATTR_SEARCH_USB_PID_ERROR_CHECK) Search USB Error PID (RSSCOPE_ATTR_SEARCH_USB_ERROR_PID) Search USB Error CRC5 (RSSCOPE_ATTR_SEARCH_USB_ERROR_CRC5) Search USB Error CRC16 (RSSCOPE_ATTR_SEARCH_USB_ERROR_CRC16) Search USB Error Bitstuff (RSSCOPE_ATTR_SEARCH_USB_ERROR_BITSTUFF) Search USB Error Glitch (RSSCOPE_ATTR_SEARCH_USB_ERROR_GLITCH) Search USB End Point Check (RSSCOPE_ATTR_SEARCH_USB_END_POINT_CHECK) Search USB End Point Check Condition (RSSCOPE_ATTR_SEARCH_USB_END_POINT_CHECK_CONDITION) Search USB End Point Check Min (RSSCOPE_ATTR_SEARCH_USB_END_POINT_CHECK_MIN)

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		Search USB End Point Check Max (RSSCOPE_ATTR_SEARCH_USB_END_POINT_CHECK_MAX) Search USB Address Check (RSSCOPE_ATTR_SEARCH_USB_ADDRESS_CHECK) Search USB Address Check Condition (RSSCOPE_ATTR_SEARCH_USB_ADDRESS_CHECK_CONDITION) Search USB Address Check Min (RSSCOPE_ATTR_SEARCH_USB_ADDRESS_CHECK_MIN) Search USB Address Check Max (RSSCOPE_ATTR_SEARCH_USB_ADDRESS_CHECK_MAX) Search USB Payload Check (RSSCOPE_ATTR_SEARCH_USB_PAYLOAD_CHECK) Search USB Payload Check Condition (RSSCOPE_ATTR_SEARCH_USB_PAYLOAD_CHECK_CONDITION) Search USB Payload Check Position (RSSCOPE_ATTR_SEARCH_USB_PAYLOAD_CHECK_POSITION) Search USB Payload Check Data Condition (RSSCOPE_ATTR_SEARCH_USB_PAYLOAD_CHECK_DATA_CONDITION) Search USB Payload Check Pattern (RSSCOPE_ATTR_SEARCH_USB_PAYLOAD_CHECK_PATTERN) Search USB Frame Check (RSSCOPE_ATTR_SEARCH_USB_FRAME_CHECK) Search USB Frame Check Condition (RSSCOPE_ATTR_SEARCH_USB_FRAME_CHECK_CONDITION) Search USB Frame Check Min (RSSCOPE_ATTR_SEARCH_USB_FRAME_CHECK_MIN) Search USB Frame Check Max (RSSCOPE_ATTR_SEARCH_USB_FRAME_CHECK_MAX) Search USB SC Check (RSSCOPE_ATTR_SEARCH_USB_SC_CHECK) Search USB SC Check Start Complete (RSSCOPE_ATTR_SEARCH_USB_SC_CHECK_START_COMPLETE) Search USB Port Check (RSSCOPE_ATTR_SEARCH_USB_PORT_CHECK) Search USB Port Check Condition (RSSCOPE_ATTR_SEARCH_USB_PORT_CHECK_CONDITION) Search USB Port Check Min (RSSCOPE_ATTR_SEARCH_USB_PORT_CHECK_MIN) Search USB Port Check Max (RSSCOPE_ATTR_SEARCH_USB_PORT_CHECK_MAX) Search USB SEU Check (RSSCOPE_ATTR_SEARCH_USB_SEU_CHECK) Search USB SEU Check Condition (RSSCOPE_ATTR_SEARCH_USB_SEU_CHECK_CONDITION) Search USB SEU Check Min (RSSCOPE_ATTR_SEARCH_USB_SEU_CHECK_MIN) Search USB SEU Check Max (RSSCOPE_ATTR_SEARCH_USB_SEU_CHECK_MAX) Search USB ET Check (RSSCOPE_ATTR_SEARCH_USB_ET_CHECK) Search USB ET Check Condition (RSSCOPE_ATTR_SEARCH_USB_ET_CHECK_CONDITION) Search USB ET Check Min (RSSCOPE_ATTR_SEARCH_USB_ET_CHECK_MIN) Search USB ET Check Max (RSSCOPE_ATTR_SEARCH_USB_ET_CHECK_MAX) Search USB Packet Count (RSSCOPE_ATTR_SEARCH_USB_PACKET_COUNT) Protocol Bus Data Format (RSSCOPE_ATTR_PROTOCOL_BUS_DATA_FORMAT) Protocol Label List File (RSSCOPE_ATTR_PROTOCOL_LABEL_LIST_FILE) Protocol I2C Frame Byte Ack Bit Start (RSSCOPE_ATTR_PROTOCOL_I2C_FRAME_BYTE_ACK_BIT_START) Protocol CAN FD Enabled (RSSCOPE_ATTR_PROTOCOL_CAN_FD_ENABLED) Protocol CAN FD Bit Rate (RSSCOPE_ATTR_PROTOCOL_CAN_FD_BIT_RATE) Protocol CAN Frame Standard (RSSCOPE_ATTR_PROTOCOL_CAN_FRAME_STANDARD) Protocol RFFE Clock Source (RSSCOPE_ATTR_PROTOCOL_RFFE_CLOCK_SOURCE) Protocol RFFE Data Source (RSSCOPE_ATTR_PROTOCOL_RFFE_DATA_SOURCE)

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		Protocol RFFE Preset Threshold (RSSCOPE_ATTR_PROTOCOL_RFFE_PRESET_THRESHOLD) Protocol RFFE Clock Threshold High (RSSCOPE_ATTR_PROTOCOL_RFFE_CLOCK_THRESHOLD_HIGH) Protocol RFFE Clock Threshold Low (RSSCOPE_ATTR_PROTOCOL_RFFE_CLOCK_THRESHOLD_LOW) Protocol RFFE Clock Threshold Hysteresis (RSSCOPE_ATTR_PROTOCOL_RFFE_CLOCK_THRESHOLD_HYSTERESIS) Protocol RFFE Data Threshold High (RSSCOPE_ATTR_PROTOCOL_RFFE_DATA_THRESHOLD_HIGH) Protocol RFFE Data Threshold Low (RSSCOPE_ATTR_PROTOCOL_RFFE_DATA_THRESHOLD_LOW) Protocol RFFE Data Threshold Hysteresis (RSSCOPE_ATTR_PROTOCOL_RFFE_DATA_THRESHOLD_HYSTERESIS) Protocol RFFE Thresholds Coupling (RSSCOPE_ATTR_PROTOCOL_RFFE_THRESHOLDS_COUPLING) Protocol RFFE Glitch Filter Enabled (RSSCOPE_ATTR_PROTOCOL_RFFE_GLITCH_FILTER_ENABLED) Protocol RFFE Glitch Filter Width (RSSCOPE_ATTR_PROTOCOL_RFFE_GLITCH_FILTER_WIDTH) Protocol RFFE Min Gap Enabled (RSSCOPE_ATTR_PROTOCOL_RFFE_MIN_GAP_ENABLED) Protocol RFFE Min Gap Time (RSSCOPE_ATTR_PROTOCOL_RFFE_MIN_GAP_TIME) Protocol RFFE Max Gap Enabled (RSSCOPE_ATTR_PROTOCOL_RFFE_MAX_GAP_ENABLED) Protocol RFFE Max Gap Time (RSSCOPE_ATTR_PROTOCOL_RFFE_MAX_GAP_TIME) Protocol RFFE Decoding Results Sequence Count (RSSCOPE_ATTR_PROTOCOL_RFFE_DECODING_RESULTS_SEQUENCE_COUNT) Protocol MDIO Threshold Preset (RSSCOPE_ATTR_PROTOCOL_MDIO_THRESHOLD_PRESET) Protocol MDIO Clock Source (RSSCOPE_ATTR_PROTOCOL_MDIO_CLOCK_SOURCE) Protocol MDIO Clock Threshold High (RSSCOPE_ATTR_PROTOCOL_MDIO_CLOCK_THRESHOLD_HIGH) Protocol MDIO Clock Threshold Low (RSSCOPE_ATTR_PROTOCOL_MDIO_CLOCK_THRESHOLD_LOW) Protocol MDIO Data Source (RSSCOPE_ATTR_PROTOCOL_MDIO_DATA_SOURCE) Protocol MDIO Data Threshold High (RSSCOPE_ATTR_PROTOCOL_MDIO_DATA_THRESHOLD_HIGH) Protocol MDIO Data Threshold Low (RSSCOPE_ATTR_PROTOCOL_MDIO_DATA_THRESHOLD_LOW) Protocol MDIO Thresholds Coupling (RSSCOPE_ATTR_PROTOCOL_MDIO_THRESHOLDS_COUPLING) Protocol MDIO Decoding Results Word Count (RSSCOPE_ATTR_PROTOCOL_MDIO_DECODING_RESULTS_WORD_COUNT) Protocol Ethernet Variant (RSSCOPE_ATTR_PROTOCOL_ETHERNET_VARIANT) Protocol Ethernet Source (RSSCOPE_ATTR_PROTOCOL_ETHERNET_SOURCE) Protocol Ethernet Polarity (RSSCOPE_ATTR_PROTOCOL_ETHERNET_POLARITY) Protocol Ethernet Threshold Preset (RSSCOPE_ATTR_PROTOCOL_ETHERNET_THRESHOLD_PRESET) Protocol Ethernet Threshold Low (RSSCOPE_ATTR_PROTOCOL_ETHERNET_THRESHOLD_LOW) Protocol Ethernet Threshold High (RSSCOPE_ATTR_PROTOCOL_ETHERNET_THRESHOLD_HIGH) Protocol Ethernet Bit Rate (RSSCOPE_ATTR_PROTOCOL_ETHERNET_BIT_RATE) Protocol Ethernet Decoding Results Word Count (RSSCOPE_ATTR_PROTOCOL_ETHERNET_DECODING_RESULTS_WORD_COUNT) Protocol USB D Plus Source (RSSCOPE_ATTR_PROTOCOL_USB_D_PLUS_SOURCE)

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		Protocol USB D Minus Source (RSSCOPE_ATTR_PROTOCOL_USB_D_MINUS_SOURCE) Protocol USB Differential Source (RSSCOPE_ATTR_PROTOCOL_USB_DIFFERENTIAL_SOURCE) Protocol USB Data Source (RSSCOPE_ATTR_PROTOCOL_USB_DATA_SOURCE) Protocol USB Strobe Source (RSSCOPE_ATTR_PROTOCOL_USB_STROBE_SOURCE) Protocol USB Technology (RSSCOPE_ATTR_PROTOCOL_USB_TECHNOLOGY) Protocol USB D Plus Threshold (RSSCOPE_ATTR_PROTOCOL_USB_D_PLUS_THRESHOLD) Protocol USB D Minus Threshold (RSSCOPE_ATTR_PROTOCOL_USB_D_MINUS_THRESHOLD) Protocol USB Differential Threshold (RSSCOPE_ATTR_PROTOCOL_USB_DIFFERENTIAL_THRESHOLD) Protocol USB Data Threshold (RSSCOPE_ATTR_PROTOCOL_USB_DATA_THRESHOLD) Protocol USB Strobe Threshold (RSSCOPE_ATTR_PROTOCOL_USB_STROBE_THRESHOLD) Protocol USB Decoding Results Packet Count (RSSCOPE_ATTR_PROTOCOL_USB_DECODING_RESULTS_PACKET_COUNT) Power Ripple Current Enabled (RSSCOPE_ATTR_POWER_RIPPLE_CURRENT_ENABLED) Safe Operating Area Switch (RSSCOPE_ATTR_SAFE_OPERATING_AREA_SWITCH) MSO Digital Resolution (RSSCOPE_ATTR_MSO_DIGITAL_RESOLUTION) MSO Digital Record Length (RSSCOPE_ATTR_MSO_DIGITAL_RECORD_LENGTH) Saveset Preview Image (RSSCOPE_ATTR_SAVESET_PREVIEW_IMAGE) Hardcopy White Background (RSSCOPE_ATTR_HARDCOPY_WHITE_BACKGROUND) Hardcopy Print Color Set (RSSCOPE_ATTR_HARDCOPY_PRINT_COLOR_SET) Hardcopy Inverse Colors (RSSCOPE_ATTR_HARDCOPY_INVERSE_COLORS) Channel Count (RSSCOPE_ATTR_CHANNEL_COUNT) Byte Order (RSSCOPE_ATTR_BYTE_ORDER) Modified rscope Configure Probe Attenuator RTZA15.vi - command changed rscope Configure Serial Bus Trigger Source.vi - new protocols, MDIO, Ethernet, RFFE, USB rscope Configure Spectrum Main Measurement.vi - THD in % rscope Configure Spectrum Additional Measurement.vi - THD in % rscope Configure Spectrum Limit Check.vi - THD in % rscope Configure Spectrum Limit Check Limits.vi - THD in % rscope Configure SpectrumLimitCheckMargins.vi - THD in % rscope Configure ReferenceLevelAutoSettings.vi - Mode UMLA rscope Query CAN Search Frame Count.vi - API changed rscope Query FlexRay Frame Field.vi - Fixed cmd strings for fields rscope Query FlexRay Search Frame Count.vi - API changed rscope Query Flex Ray Search Frame Field.vi - Fixed cmd strings for fields rscope Configure ARINC 429 Bit Rate.vi - bit rate range rscope Read Spectrum Waveform Measurement.vi - THD in % rscope Read Start Stop Spectrum Waveform Measurement.vi - THD in % rscope Fetch Spectrum Waveform Measurement.vi - THD in % rscope Fetch Start Stop Spectrum Waveform Measurement.vi - THD in % rscope Power Analysis Report Content.vi - API changed (Title boolean)

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		<p>rscope Power Quality Input Frequency.vi - cmd strings</p> <p>rscope Transient Response Trigger.vi - Source 1 to 4 only</p> <p>rscope Set Status Register.vi - ADC State</p> <p>rscope Get Status Register.vi - ADC State</p> <p>rscope Configure Search Gate Definition Start Stop.vi - fixed range checking</p> <p>rscope Fetch Eye Jitter Waveform Measurement.vi - fixed range checking</p> <p>rscope Fetch Histogram Waveform Measurement.vi - fixed range checking</p> <p>rscope Fetch Main Waveform Measurement.vi - fixed range checking</p> <p>rscope Fetch Spectrum Waveform Measurement.vi - fixed selecting of Measurement Function</p> <p>rscope Actual Sample Rate.vi - other attribute used</p> <p>rscope Configure Hardcopy Device.vi - fixed repeated capabilities</p> <p>rscope Configure Histogram State.vi - other attribute used</p> <p>rscope Query Probe Characteristics - Type data type changed to string</p> <p>rscope Configure Probe Meter.vi - fixed repeated capabilities errors</p> <p>rscope Trigger Input Probe Selftest.vi - other attribute used</p> <p>rscope Update Trigger Input Probe Firmware.vi - other attribute used</p> <p>rscope Configure ARINC 429 Trigger Type.vi - other attribute used</p> <p>rscope Configure CAN Trigger Error Conditions.vi - sets trigger mode to error condition</p> <p>rscope Configure MDIO Threshold.vi - fixed repcap</p> <p>rscope Configure MIL1553 Trigger Command Transmission Direction.vi - other attribute used</p> <p>rscope Configure Edge External Trigger Noise Reject.vi - other attribute used</p> <p>rscope Configure Pattern Trigger Source.vi - fixed repcap, Fixed swapped CtrlRing Strings "Shorter Longer Within Outside"</p> <p>rscope Configure Serial Bus Trigger Source.vi - fixed repcap</p> <p>rscope Configure Interval Trigger Source.vi - Fixed swapped CtrlRing Strings "Shorter Longer Within Outside"</p> <p>rscope Configure Slew Rate Trigger Source.vi - Fixed swapped CtrlRing Strings "Shorter Longer Within Outside"</p> <p>rscope Configure Width Trigger Source.vi - Fixed swapped CtrlRing Strings "Shorter Longer Within Outside"</p> <p>rscope Configure Window Trigger Time Condition.vi - Fixed swapped CtrlRing Strings "Shorter Longer Within Outside"</p> <p>rscope Configure Trigger Qualification Multichannel Logic.vi - Fixed swapped CtrlRing Strings "OR NAND"</p> <p>rscope Configure IQ Sampling Real Input.vi - Fixed swapped CtrlRing Strings "Inverse Normal"</p> <p>rscope Configure Math Envelope Waveform Selection.vi - other attribute used</p> <p>rscope Configure FFT Phase.vi - other attribute used</p> <p>rscope Power Inrush Current Gate Add To Report.vi - other attribute used</p> <p>rscope Power On Off Input Type.vi - other attribute used</p> <p>rscope File Drives.vi - reading data with attribute</p> <p>rscope Fetch Histogram Waveform Measurement.vi - maximum time changed to reserved, removed RSCOPE_ATTR_SEND_SW_TRIGGER_AND_WAIT</p> <p>rscope Fetch Spectrum Waveform Measurement.vi - maximum time changed to reserved, removed</p>

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		<p>RSSCOPE_ATTR_SEND_SW_TRIGGER_AND_WAIT rscope Start Power Analysis Deskew.vi - added Wait</p> <p>rscope Power Analysis Report LSend.vi - parameter Returned Value changed from Int32 to String</p> <p>Calibration Source Frequency (RSSCOPE_ATTR_CALIBRATION_SOURCE_FREQUENCY) - Fixed range table, 2x same name 250 MHz.</p> <p>Probe Predefined Current Probe (RSSCOPE_ATTR_PROBE_PREDEFINED_CURRENT_PROBE) - Removed ZZ60 from range table.</p> <p>Probe Attenuator ZA15 (RSSCOPE_ATTR_PROBE_ATTENUATOR_ZA15) - Command changed, PROBe:SETup:ZA15 to PROBe:SETup:ZAXV</p> <p>Trigger Level (RSSCOPE_ATTR_TRIGGER_LEVEL) - Removed range checking.</p> <p>Window Upper Limit (RSSCOPE_ATTR_WINDOW_UPPER_LIMIT) - Removed range checking.</p> <p>Window Lower Limit (RSSCOPE_ATTR_WINDOW_LOWER_LIMIT) - Removed range checking.</p> <p>Interval Polarity (RSSCOPE_ATTR_INTERVAL_POLARITY) - Changed range table.</p> <p>Serial Pattern Level (RSSCOPE_ATTR_SERIAL_PATTERN_LEVEL) - Removed range checking.</p> <p>Protocol I2C Trigger Address OR Type (RSSCOPE_ATTR_PROTOCOL_I2C_TRIGGER_ADDRESS_OR_TYPE) - Changed range table to remove unsupported values.</p> <p>Protocol SPI Trigger Condition (RSSCOPE_ATTR_PROTOCOL_SPI_TRIGGER_CONDITION) - Removed unused enum items.</p> <p>Protocol Audio Trigger Word Select Slope (RSSCOPE_ATTR_PROTOCOL_AUDIO_TRIGGER_WORD_SELECT_SLOPE) - Range table changed.</p> <p>Protocol MIL1553 Trigger Data Index Condition (RSSCOPE_ATTR_PROTOCOL_MIL1553_TRIGGER_DATA_INDEX_CONDITION) - Removed unused enum items.</p> <p>Cursor X Position (RSSCOPE_ATTR_CURSOR_X_POSITION) - Removed range checking.</p> <p>Cursor Y Position (RSSCOPE_ATTR_CURSOR_Y_POSITION) - Removed range checking.</p> <p>Amplitude Time Lower Limit Margin (RSSCOPE_ATTR_AMPLITUDE_TIME_LOWER_LIMIT_MARGIN) - Fixed command.</p> <p>User Reference Relative Lower Level (RSSCOPE_ATTR_USER_REFERENCE_RELATIVE_LOWER_LEVEL) - Changed default value.</p> <p>FFT Frequency Span (RSSCOPE_ATTR_FFT_FREQUENCY_SPAN) - Removed range checking.</p> <p>FFT Start Frequency (RSSCOPE_ATTR_FFT_START_FREQUENCY) - Removed range checking.</p> <p>FFT Stop Frequency (RSSCOPE_ATTR_FFT_STOP_FREQUENCY) - Removed range checking.</p> <p>Mask Test Violation Tolerance (RSSCOPE_ATTR_MASK_TEST_VIOLATION_TOLERANCE) - Removed range checking.</p> <p>Protocol Reference Levels (RSSCOPE_ATTR_PROTOCOL_REFERENCE_LEVELS) - Data type set to None.</p> <p>Protocol FlexRay Frame Header CRC (RSSCOPE_ATTR_PROTOCOL_FLEXRAY_FRAME_HEADER_CRC) - Fixed command.</p> <p>Protocol FlexRay Frame CRC (RSSCOPE_ATTR_PROTOCOL_FLEXRAY_FRAME_CRC) - Fixed command.</p> <p>Protocol FlexRay Frame Header CRC Status (RSSCOPE_ATTR_PROTOCOL_FLEXRAY_FRAME_HEADER_CRC_STATUS) - Fixed command.</p> <p>Protocol FlexRay Frame CRC Status (RSSCOPE_ATTR_PROTOCOL_FLEXRAY_FRAME_CRC_STATUS) - Fixed command.</p> <p>Power Analysis Start Deskew (RSSCOPE_ATTR_POWER_ANALYSIS_START_DESKEW) - Added *WAI</p>

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		<p>to command.</p> <p>Power Analysis Report Add (RSSCOPE_ATTR_POWER_ANALYSIS_REPORT_ADD) - Access changed to write-only.</p> <p>Power Analysis Report Select All (RSSCOPE_ATTR_POWER_ANALYSIS_REPORT_SEL_ALL) - Access changed to write-only.</p> <p>Power Analysis Report Deselect All (RSSCOPE_ATTR_POWER_ANALYSIS_REPORT_SEL_NONE) - Access changed to write-only.</p> <p>Power Analysis Report Remove Selected (RSSCOPE_ATTR_POWER_ANALYSIS_REPORT_SEL_REMOVE) - Access changed to write-only.</p> <p>Power Analysis Report Invert Selection (RSSCOPE_ATTR_POWER_ANALYSIS_REPORT_SEL_INVERT) - Access changed to write-only.</p> <p>Power Analysis Report File Name (RSSCOPE_ATTR_POWER_ANALYSIS_REPORT_FILE_NAME) - Access changed to write-only.</p> <p>MSO Data2Clock Trigger Hold Time (RSSCOPE_ATTR_MSO_DATA2CLOCK_TRIGGER_HOLD_TIME) - Changed range.</p> <p>IQ Filter Bandwidth (RSSCOPE_ATTR_IQ_FILTER_BANDWIDTH) - Data type changed according to CVI & LV.</p> <p>CDR Software PLL Relative Bandwidth (RSSCOPE_ATTR_CDR_SOFTWARE_PLL_REL_BANDWIDTH) - Changed range.</p> <p>CDR Hardware Bit Rate (RSSCOPE_ATTR_CDR_HARDWARE_BIT_RATE) - Removed range checking.</p> <p>Waveform Export Scope Gate (RSSCOPE_ATTR_WAVEFORM_EXPORT_SCOPE_GATE) - Removed obsolete items.</p> <p>Waveform Export Fast Export (RSSCOPE_ATTR_WAVEFORM_EXPORT_FAST_EXPORT) - Changed access to write-only.</p> <p>Long Term Export Result (RSSCOPE_ATTR_LONG_TERM_EXPORT_RESULT) - Removed no longer supported items.</p> <p>Material Number (RSSCOPE_ATTR_MATERIAL_NUMBER) - Changed access to read-only.</p> <p>Modified Repeated Capabilities</p> <p>SpectrumMeasurementType - added Spec6</p> <p>SpectrumMeasurementResult - added THDPCT</p> <p>QRegister - added ADCState</p> <p>FieldValue - fixed command values</p> <p>FieldStatus - fixed command values</p> <p>Removed</p> <p>rscope Query Mask Test Count.vi</p> <p>rscope Preset.vi</p> <p>rscope Store and Load Instrument Data.vi</p> <p>rscope System Version.vi</p> <p>rscope_session_global.vi</p> <p>rscope System Version.vi</p> <p>rscope Store and Load Instrument Data.vi</p> <p>Probe Measurement Type (RSSCOPE_ATTR_PROBE_MEASUREMENT_TYPE)</p> <p>Statistics Weight (RSSCOPE_ATTR_STATISTICS_WEIGHT)</p> <p>Protocol I2C Frame Byte Ack Bit (RSSCOPE_ATTR_PROTOCOL_I2C_FRAME_BYTE_ACK_BIT)</p>

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2.30.0	10/2014	<ul style="list-style-type: none"> * Support for RTO & RTE version 2.30 * Express VI version 1.50 * New Subsystems: <ul style="list-style-type: none"> added Quick source in multiple subsystems Search Decoded Results in CAN Protocol Search Decoded Results in FlexRay Protocol * Modified <ul style="list-style-type: none"> rscope Configure CAN Trigger Data.vi - fixed swapped Min and Max inputs
2.25.0	08/2014	<ul style="list-style-type: none"> Support for RTO & RTE version 2.25 Added Express VI version 1.20 Added subsystems <ul style="list-style-type: none"> Probe Meter Trigger Input Probe MIL-Std-1553 Protocol ARINC 429 Protocol New <ul style="list-style-type: none"> rscope Configure Amplitude Time Delay To Trigger.vi rscope Configure Probe CM Offset.vi rscope Configure Probe Attenuator RT-ZA15.vi rscope Configure Edge External Trigger Noise Reject.vi rscope Configure Math Envelope Waveform Selection.vi rscope Read Start Stop Amplitude Time Waveform Measurement.vi rscope Read Start Stop Eye Jitter Waveform Measurement.vi rscope Read Start Stop Histogram Waveform Measurement.vi rscope Read Start Stop Spectrum Waveform Measurement.vi rscope Read Start Stop Jitter Waveform Measurement.vi rscope Fetch Start Stop Amplitude Time Waveform Measurement.vi rscope Fetch Start Stop Eye Jitter Waveform Measurement.vi rscope Fetch Start Stop Histogram Waveform Measurement.vi rscope Fetch Start Stop Spectrum Waveform Measurement.vi rscope Fetch Start Stop Jitter Waveform Measurement.vi rscope Query Power Analysis Auto Deskew Value.vi rscope Power Analysis Auto Deskew To Offset.vi rscope Query Power Ripple Measure Result.vi rscope Query Power Spectrum Harmonics Count.vi rscope Power On Off Input Type.vi rscope Power On Off DC Level.vi rscope Configure Waveform Nx Single Acquisition Display Update.vi rscope Configure UART Packets.vi RSCOPE_ATTR_MEASUREMENT_PREFIX_ENABLED RSCOPE_ATTR_TRIGGER_EXTERNAL_OVERLOAD

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		Modified rscope Configure Channel Bandwidth.vi rscope Configure Probe Micro Button Action.vi rscope Configure Edge Trigger Source.vi rscope Configure Slew Rate Trigger Source.vi rscope Configure Serial Bus Trigger Source.vi rscope Configure Cursor.vi rscope Configure Jitter Data Measurement Clock Mode.vi rscope Configure Reference Level.vi rscope Configure Reference Level Auto Settings.vi rscope Configure Reference User Signal Level.vi rscope Configure User Reference Level.vi rscope Configure User Middle Reference Level.vi rscope Configure Reference Level Relative Levels.vi rscope Configure Reference Level Relative User Levels.vi rscope Configure Reference Level Hysteresis.vi rscope Configure Reference Level Tube.vi rscope Configure Reference Level Tube Relative.vi rscope Power Switchingloss Gate Settings.vi rscope Transient Response Trigger.vi rscope Configure Mask Test Source.vi rscope Query IQ Data Memory - removed RSSCOPE_ATTR_PROTOCOL_CAN_FRAME_TRANSLATION - removed RSSCOPE_ATTR_CDR_SOFTWARE_ALGORITHM RSSCOPE_ATTR_TRIGGER_SOURCE RSSCOPE_ATTR_NOISE_REJECT_HYSTERESIS RSSCOPE_ATTR_NOISE_REJECT_HYSTERESIS_SCALE_MODE RSSCOPE_ATTR_NOISE_REJECT_HYSTERESIS_RELATIVE RSSCOPE_ATTR_NOISE_REJECT_HYSTERESIS_MODE RSSCOPE_ATTR_RUNT_LOW_THRESHOLD RSSCOPE_ATTR_RUNT_HIGH_THRESHOLD RSSCOPE_ATTR_SLEW_LOWER_LIMIT RSSCOPE_ATTR_SLEW_UPPER_LIMIT RSSCOPE_ATTR_WINDOW_LOWER_LIMIT RSSCOPE_ATTR_WINDOW_UPPER_LIMIT RSSCOPE_ATTR_CALIBRATION_SOURCE_FREQUENCY RSSCOPE_ATTR_SEARCH_RESULT_MAX_COUNT RSSCOPE_ATTR_TRIGGER_SEQUENCE_MODE RSSCOPE_ATTR_SERIAL_PATTERN_SOURCE
1.60.0	12/2013	*Added subsystems Power Analysis

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		<p>*Modified</p> <p>rscope Configure Amplitude Time Main Measurement.vi rscope Configure Amplitude Time Additional Measurement.vi rscope Configure Spectrum Main Measurement.vi rscope Configure Spectrum Additional Measurement.vi rscope Configure Amplitude Time Limit Check.vi rscope Configure Amplitude Time Limit Check Limits.vi rscope Configure Amplitude Time Limit Check Margins.vi rscope Read Amplitude Time Waveform Measurement.vi rscope Fetch Amplitude Time Waveform Measurement.vi rscope Read Spectrum Waveform Measurement.vi rscope Fetch Spectrum Waveform Measurement.vi rscope Configure Spectrum Limit Check.vi rscope Configure Spectrum Limit Check Limits.vi rscope Configure Spectrum Limit Check Margins.vi rscope Configure Waveform Export Source.vi rscope Configure Channel Offset.vi ... offset range checking removed rscope Configure Probe.vi ... channel offset range checking removed</p> <p>*New</p> <p>rscope Configure Amplitude Time Delay To Trigger.vi</p>
1.50.0	08/2013	<p>*Support for RTO version 1.50 added</p> <p>*Database: compatibility with IVI.Net</p> <p>*Added subsystems: Jitter Measurement Clock Data Recovery</p> <p>*Modified: rscope Configure Acquisition Record.vi - command changed rscope Configure Time Base.vi - restrict default value rscope Configure Current Probe Predefined.vi - RT-ZZ60 >> RT-ZZ80 rscope Configure Trigger.vi - CDR added rscope Configure Trigger Qualification.vi - CDR added rscope Configure Trigger Qualification Multichannel Logic.vi - CDR added rscope Configure Multiple Measurement Number.vi - range rscope Configure MeasurementCategory.vi - Jitter added rscope Configure Cursor.vi - removed Type values rscope Configure Cursor Envelope Waveform Selection.vi - Both removed rscope Configure Amplitude Time Limit Check.vi - changed rep_cap rscope Configure Amplitude Time Limit Check Limits.vi - changed rep_cap rscope Configure Amplitude Time Limit Check Margins.vi - changed rep_cap rscope Configure Long Term Vertical Continuous Auto Scaling.vi - Default value changed</p>

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		rscope Configure Reference Level Auto Settings.vi - Mode UPLM, UMLP, UALM added rscope Configure Mask Test Definition Type.vi - Eye added rscope Configure I2C TriggerAddress.vi - Type auto removed rscope Query I2C Frame Status.vi - RW byte undefined added rscope Configure Math Vertical Scale.vi - range rscope Query FFT Frame Coverage.vi - changed data type rscope Configure Reference Waveform Vertical Scaling.vi - Vertical scale range *New: rscope Query Detected Probe Gain.vi rscope Configure Measurement Diagram Fine Grid Scale.vi rscope Configure Mask Test Eye Shape.vi rscope Configure Mask Test Eye Polygon.vi rscope Configure Mask Test Eye Top Bottom.vi rscope Configure Mask Test Eye Center.vi rscope Read Jitter Waveform Measurement.vi rscope Fetch Jitter Waveform Measurement.vi
1.47.0	04/2013	* Added subsystems: - Audio Signals Subsystem - Waveform Label subsystem - Histogram Export - Long Term And Meas Histograms Export * Modified: - rscope Query Probe Characteristics.vi - Attenuation data type - rscope Configure Probe Attenuation.vi -Attenuation range - rscope Configure Probe Gain.vi - Range - rscope Configure Current Probe Predefined.vi - ZD01_100, ZD01_1000, ZZ60 - rscope Configure Serial Bus Trigger Source.vi - Audio Protocol - rscope Query Trigger Out Delay.vi - Range - rscope Configure Color Table Assignment.vi - Sources (Track waveforms) - rscope Add Diagram.vi - Sources (Track waveforms) - rscope Show Waveform In Diagram.vi - Sources (Track waveforms) - rscope Remove Waveform From Diagram.vi - Sources (Track waveforms) - rscope Configure Measurement Category.vi - Protocol - rscope Configure Cursor.vi - Sources (Track waveforms) - rscope Create New Histogram.vi - Source (MRES) - rscope Configure Histogram Source.vi - Source (MRES) - rscope Configure Reset Statistics Settings.vi - Removed NONE, added meas - rscope Auto Probe Sense Value.vi - String to real - rscope Configure Mask Test Waveform Rescale.vi - ranges - rscope Configure Search Source.vi - Source D0-D15

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		<ul style="list-style-type: none"> - rscope Configure Edge Trigger Search.vi - Source D0-D15 - rscope Configure Glitch Trigger Search.vi - Source D0-D15 - rscope Configure Width Trigger Search.vi - Source D0-D15 - rscope Configure Runt Trigger Search.vi - Source D0-D15 - rscope Configure Window Trigger Search.vi - Source D0-D15 - rscope Configure Timeout Trigger Search.vi - Source D0-D15 - rscope Configure Interval Trigger Search.vi - Source D0-D15 - rscope Configure Slew Rate Trigger Search.vi - Source D0-D15 - rscope Configure Data2Clock Trigger Search.vi - Source D0-D15 - rscope Configure Search Noise Reject.vi - Source D0-D15 - rscope Configure I2C Source.vi - Source D0-D15 - rscope Configure SPI Source.vi - Source D0-D15 - rscope Configure UART Source.vi - Source D0-D15 - rscope Configure LIN Source.vi - Source D0-D15 - rscope Configure CAN Source.vi - Source D0-D15 - rscope Configure FlexRay Source.vi - Source D0-D15 - rscope Configure Math Setup.vi - Smooth >> RMS - rscope Configure FFT Frequency Center Span.vi - Span Range - rscope Configure FFT Resolution Bandwidth.vi - BW Range - rscope Configure FFT Frame Setup.vi - Smooth >> RMS - rscope Configure FFT Magnitude.vi - Reference Level Range - rscope Fetch Waveform.vi - Initial X and X Increment - rscope Fetch Math Waveform.vi - uses dataReadTrace - rscope Configure Waveform Export Source.vi - D0-D15 repaired, TRK * New: - rscope Query Detected Probe Gain.vi - rscope Configure Diagram Zoom Overlay.vi - rscope Configure Diagram Zoom Position Coupling.vi - rscope Configure Long Term Vertical Continuous Auto Scaling.vi - rscope Configure Reset Statistics Measurements Count.vi - rscope Configure Mask Test Save Path.vi - rscope Configure Mask Test Manager Operations.vi - rscope Configure Data Format.vi - rscope Set Reference Levels.vi - rscope Read Math Waveform.vi - rscope Configure Waveform Export Channel.vi - rscope Configure Waveform Export Multichannel.vi - rscope Configure Waveform Export Fast Export.vi
1.40.1	09/2012	Modified: Fixed rscope Configure Measurement Source.vi - swapped source controls Removed range checking for channel vertical scale (attribute RSSCOPE_ATTR_VERTICAL_SCALE,

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		rscope Configure Channel Vertical Scale.vi)
1.40.0	08/2012	<p>Support for RTO version 1.40 added</p> <p>Modified:</p> <p>rscope Configure Channel External Attenuation.vi - Attenuation range</p> <p>rscope Configure Trigger.vi - NFC trigger added</p> <p>rscope Configure Noise Reject.vi - Absolute Hysteresis help changed</p> <p>rscope Configure Trigger Qualification.vi - NFC trigger added</p> <p>rscope Configure Trigger Qualification Multichannel Logic.vi - NFC trigger added</p> <p>rscope Search Trigger Copy Configuration.vi - added support for Pattern, State trigger</p> <p>- copy from B only for Edge trigger</p> <p>RSCOPE_ATTR_PROTOCOL_UART_STOP_BITS - command string changed - B1_5 >> B15</p> <p>rscope Configure FlexRay Trigger Data Position.vi - Condition values removed from ring</p> <p>rscope Configure Waveform Export Source.vi - Source D0-D15</p>
1.35.1	05/2012	Bugfix - attribute configuration fixed
1.35.0	02/2012	<p>Support for RTO version 1.35 added</p> <p>Modified:</p> <p>rscope Configure Edge Trigger Source.vi - control "Trigger Source", added External & Serial Bus</p> <p>rscope Configure Runt Trigger Source.vi - control "Trigger Source", added External & Serial Bus</p> <p>rscope Configure Glitch Trigger Source.vi - control "Trigger Source", added External & Serial Bus</p> <p>rscope Configure Width TriggerSource.vi - control "Trigger Source", added External & Serial Bus</p> <p>rscope Configure Window Trigger Source.vi - control "Trigger Source", added External & Serial Bus</p> <p>rscope Configure Timeout Trigger Source.vi - control "Trigger Source", added External & Serial Bus</p> <p>rscope Configure Interval Trigger Source.vi - control "Trigger Source", added External & Serial Bus</p> <p>rscope Configure Slew Rate Trigger Source.vi - control "Trigger Source", added External & Serial Bus</p> <p>rscope Configure Data2Clock Trigger Source.vi - control "Trigger Source", added External & Serial Bus</p> <p>rscope Configure Serial Pattern Trigger Source.vi - control "Trigger Source", added External & Serial Bus</p> <p>rscope Configure Noise Reject.vi - control "Trigger Source", added External & Serial Bus</p> <p>rscope Configure Amplitude Time Main Measurement.vi - added SHT,SHR</p> <p>rscope Configure Amplitude Time Additional Measurement.vi - added Edge count, SHT, SHR</p> <p>rscope Configure Amplitude Time Slope.vi - added Clock count</p> <p>rscope Configure Amplitude Time Limit Check.vi - added Pulse & Edge count, SHT, SHR</p> <p>rscope Configure Amplitude Time Limit Check Limits.vi - added Pulse & Edge count, SHT, SHR</p> <p>rscope Configure Amplitude Time Limit Check Margins.vi - added Pulse & Edge count, SHT, SHR</p> <p>rscope Configure Spectrum Settings.vi - "Channel Center Frequency", range changed</p> <p>rscope Read Main Waveform Measurement.vi - added Statistic Type "Waveform"</p> <p>rscope Read Amplitude Time Waveform Measurement.vi - added Statistic Type "Waveform", Measurement Function Edge count, SHT, SHR, Setup & Hold time</p> <p>rscope Read Eye Jitter Waveform Measurement.vi - added Statistic Type "Waveform"</p> <p>rscope Read Histogram Waveform Measurement.vi - added Statistic Type "Waveform"</p> <p>rscope Read Spectrum Waveform Measurement.vi - added Statistic Type "Waveform"</p> <p>rscope Fetch Main Waveform Measurement.vi - added Statistic Type "Waveform"</p>

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		rscope Fetch Amplitude Time Waveform Measurement.vi - added Statistic Type "Waveform", Measurement Function Edge count, SHT, SHR, Setup & Hold time rscope Fetch Eye Jitter Waveform Measurement.vi - added Statistic Type "Waveform" rscope Fetch Histogram Waveform Measurement.vi - added Statistic Type "Waveform" rscope Fetch Spectrum Waveform Measurement.vi - added Statistic Type "Waveform"
1.27.1	10/2011	Modifications: New: rscope Configure Probe Detection.vi rscope Configure Current Probe Predefined.vi rscope Query SPI Word Count.vi Modified: RSSCOPE_ATTR_PROTOCOL_I2C_TRIGGER_ACCESS_BIT - added "Undefined" RSSCOPE_ATTR_PROTOCOL_I2C_TRIGGER_ADDRESS_OR_ACCESS_BIT RSSCOPE_ATTR_TRIGGER_SOURCE - added Digital Channels, Parallel Bus, RSSCOPE_ATTR_PROTOCOL_TYPE - command parameter chanded FLEXray -> FLXRay rscope rscope Query SPI Frame Count.vi - command chanded BUS<Serial Bus>:SPI:FRAME:COUNT? -> BUS<Serial Bus>:SPI:FCOUNT? RSSCOPE_ATTR_PROTOCOL_SPI_FRAME_COUNT rscope Configure Cursor.vi - added source for Digital Channels and Digital Buses rscope Remove Waveform From Diagram.vi rscope Configure Measurement Source.vi - added source for Digital Channels rscope Configure Cursor Envelope Waveform Selection.vi - added "Both" cursor position RSSCOPE_ATTR_CURSOR_ENVELOPE_CURVE rscope Configure Amplitude Time Main Measurement.vi - added Pulse Train measurement rscope Configure Amplitude Time Additional Measurement.vi rscope Read Amplitude Time Waveform Measurement.vi rscope Fetch Amplitude Time Waveform Measurement.vi rscope Configure Probe Attenuation.vi - Mode control removed rscope Query LIN Frame Field.vi - result for Sync field value is not available rscope Query SPI Frame Status.vi - removed controls SS Start, SS Stop, Error Word Length
1.27.0	08/2011	* Support for RTO version 1.27.x added * Added subsystems: - History - LIN - CAN - Waveform Export * Removed: - In class Protocol, all attributes containing or repeated capability. - RSSCOPE_ATTR_PROTOCOL_I2C_TRIGGER_ADDRESS_NACK, RSSCOPE_ATTR_PROTOCOL_I2C_TRIGGER_DATA_WRITE_NACK, RSSCOPE_ATTR_PROTOCOL_I2C_TRIGGER_DATA_READ_NACK replaced by

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		<p>RSSCOPE_ATTR_PROTOCOL_I2C_TRIGGER_NO_ACK</p> <ul style="list-style-type: none"> - RSSCOPE_ATTR_PROTOCOL_I2C_TRIGGER_ADDRESS_END replaced by RSSCOPE_ATTR_PROTOCOL_I2C_TRIGGER_ADDRESS_MAX - RSSCOPE_ATTR_PROTOCOL_I2C_TRIGGER_ADDRESS replaced by RSSCOPE_ATTR_PROTOCOL_I2C_TRIGGER_ADDRESS_MIN <p>* Modified:</p> <ul style="list-style-type: none"> - RSSCOPE_ATTR_PROTOCOL_I2C_TRIGGER_ACCESS renamed to RSSCOPE_ATTR_PROTOCOL_I2C_TRIGGER_ACCESS_BIT - All VIs in Decode Results class doesn't use attributes. - All VIs that query pattern now use attribut RSSCOPE_ATTR_SET_QUERY_PATTERN_FORMAT, pattern format is set to decimal. - All Waveform Acquisition rscope Read* VIs initiate measurement by using RUN single instead send SW trigger - rscope Configure Amplitude Time Settings.vi - added Pulse train count - RSSCOPE_ATTR_REFERENCE_LEVEL_RELATIVE_LEVELS - added settings for user defined levels - rscope Configure UART Trigger Type.vi - added control for Trigger event selection; default source is now Tx RSSCOPE_ATTR_PROTOCOL_UART_TRIGGER_MODE - added Trigger repated capability RSSCOPE_ATTR_PROTOCOL_UART_TRIGGER_SOURCE - rscope Configure UART Trigger Data.vi - added control for Trigger event selection; default value for index is now 0 RSSCOPE_ATTR_PROTOCOL_UART_TRIGGER_DATA_PATTERN_CONDITION - added Trigger repated capability RSSCOPE_ATTR_PROTOCOL_UART_TRIGGER_DATA_PATTERN RSSCOPE_ATTR_PROTOCOL_UART_TRIGGER_DATA_POSITION RSSCOPE_ATTR_PROTOCOL_UART_TRIGGER_DATA_POSITION_INDEX_MIN RSSCOPE_ATTR_PROTOCOL_UART_TRIGGER_DATA_POSITION_INDEX_MAX - rscope Configure UART.vi - maximum bit rate is now 20000000; Polarity updated RSSCOPE_ATTR_PROTOCOL_UART_BIT_RATE - rscope Configure UART Threshold.vi - command changed RSSCOPE_ATTR_PROTOCOL_UART_TECHNOLOGY - rscope Configure I2C Threshold.vi - command changed RSSCOPE_ATTR_PROTOCOL_I2C_TECHNOLOGY - rscope Configure SPI Threshold.vi - command changed RSSCOPE_ATTR_PROTOCOL_SPI_TECHNOLOGY - rscope Query I2C Frame All Data.vi - API changed, now returns array - rscope Query SPI Frame All Data.vi - rscope Configure Mask Test Rescale - XOffset added - rscope Configure I2C Trigger Address.vi - Condition added, Adres Max added, Address is now string - rscope Configure I2C Trigger NoAck.vi - attributes merged in to RSSCOPE ATTR PROTOCOL I2C TRIGGER NO ACK: - rscope Configure SPI Trigger Data.vi - condition added, position removed RSSCOPE_ATTR_PROTOCOL_SPI_TRIGGER_PATTERN - repeated capability changed

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		<ul style="list-style-type: none"> - rscope Fetch Waveform.vi - command changed - Read Trace - waiting for OPC added - rscope Reset.vi - *WAI added <ul style="list-style-type: none"> - rscope Query Mask Test Results.vi - changed syntax of commands - rscope Configure Spectrum Limit Check Margins.vi - fixed, now uses correct attributes - rscope Initiate Acquisition.vi - waiting for OPC added for "Single" sweep RSSCOPE_ATTR_RUN_SINGLE * New: <ul style="list-style-type: none"> - rscope Configure Record Length Limit.vi - rscope Configure Channel Digital Filter.vi - rscope Configure Channel Digital Filter Trigger.vi - rscope Configure Channel External Attenuation.vi - rscope Configure Probe Attenuation.vi - rscope Configure Reference Oscillator.vi - rscope Configure Reference Level Relative User Levels.vi - rscope Query I2C Frame Length.vi - rscope Configure SPI Frame Start.vi - rscope Configure Trigger Out Signal.vi - rscope Query Trigger Out Delay.vi - rscope Query History Acquisitions Count.vi - rscope Configure Envelope Measurement.vi - rscope Configure I2C Trigger Address OR State.vi - rscope Configure I2C Trigger Address OR.vi - rscope Configure I2C Trigger Data.vi - rscope Configure SPI Trigger Data Position.vi
1.1.1	05/2011	Modifications: rscope Configure Channel.vi - fixed repeated capability
1.1.0	03/2011	Support for RTO version 1.10 added Added subsystems: Probe Calibration Display Histogram Display Gate Measurement Long Term And Statistics Measurement Reference Level Search Protocol Hardcopy

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		Math FFT Gating Reference Waveform New VIs: rscope Configure Serial Bus Trigger Source.vi rscope Configure Trigger Lines Display.vi rscope Configure Measurement Display Intermediate Results.vi rscope Configure Measurement Display Style.vi rscope Configure Amplitude Time Settings.vi rscope Configure Amplitude Time Limit Check.vi rscope Configure Amplitude Time Limit Check Limits.vi rscope Configure Amplitude Time Limit Check Margins.vi rscope Configure Eye Jitter Limit Check.vi rscope Configure Eye Jitter Limit Check Limits.vi rscope Configure Eye Jitter Limit Check Margins.vi rscope Configure Spectrum Settings.vi rscope Configure Spectrum Limit Check rscope Configure Spectrum Limit Check Limits.vi rscope Configure Spectrum Limit Check Margins.vi rscope Selects Histogram.vi rscope Configure Histogram Probability Domain Marker Settings.vi rscope Configure Histogram Limit Check.vi rscope Configure Histogram Limit Check Limits.vi rscope Configure Histogram Limit Check Margins.vi rscope Read Reference Level Result.vi rscope Fetch Math Waveform.vi rscope Fetch Math Waveform Header.vi rscope Fetch Reference Waveform.vi rscope Fetch Reference Waveform Header.vi Modified VIs: rscope Configure Trigger.vi rscope Configure Window Trigger Source.vi rscope Configure FFT Frequency Start Stop.vi Removed VI: rscope Query Mask Test Count.vi
1.0.0	12/2010	Initial release

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Rohde & Schwarz is an independent group of companies specializing in electronics. It is a leading supplier of solutions in the fields of test and measurement, broadcasting, radiomonitoring and radiolocation, as well as secure communications. Established more than 80 years ago, Rohde & Schwarz has a global presence and a dedicated service network in over 70 countries. Company headquarters are in Munich, Germany.

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- Energy-efficient products
- Continuous improvement in environmental sustainability
- ISO 14001-certified environmental management system



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