

LabWindows/CVI, VXIplug driver history for the R&S® Digital Oscilloscopes

Products:

| R&S®RTP



| R&S®RTE



| R&S®RTO2000



| R&S®RTO1000



Driver history for LabWindows/CVI and VXIplug&play Instrument driver
for C/C++, VEE, MATLAB® etc.

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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 | 4.15 | |
| RTO2000 | 4.15 | |
| RTE | 4.15 | |
| RTO1000 | 3.70.1.0 | |

2 Getting Started

2.1 LabWindows/CVI driver

The Rohde & Schwarz **rsscope** Instrument driver can be used in LabWindows/CVI 6 and later. In order to be able to compile an application it is required to add following files to your LabWindows/CVI project:

- *rsscope.c + rsscope.h*
- *rsscope_attributes.c + rsscope_attributes.h*
- *rsscope_utility.c + rsscope_utility.h*
- *rsidr_core.c + rsidr_core.h*
- *rsscope_callbacks.c*
- *rsscope.fp + rsscope.sub*

2.2 VXIplug&play driver in C/C++, LabWindows/CVI

In this case, the compiled source code from LabWindows/CVI driver is used. The compiled ANSI-C libraries exist for Windows XP and newer, 32-bit / 64-bit.

Add the following files to your 32-bit target project:

- C:\Program Files (x86)\IVI Foundation\VISA\WinNT\include\rsscope.h
- C:\Program Files (x86)\IVI Foundation\VISA\WinNT\lib\msc\rsscope.lib (static)
- C:\Program Files (x86)\IVI Foundation\VISA\WinNT\Bin\rsscope_32.dll (dynamic)
- C:\Program Files (x86)\IVI Foundation\VISA\WinNT\rsscope\rsscope.fp (in CVI only)
- C:\Program Files (x86)\IVI Foundation\VISA\WinNT\rsscope\rsscope.sub (in CVI only)

Add the following files to your 64-bit target project:

- C:\Program Files\IVI Foundation\VISA\Win64\Include\rsscope.h
- C:\Program Files\IVI Foundation\VISA\Win64\Lib_x64\msc\rsscope64.lib (static)
- C:\Program Files\IVI Foundation\VISA\Win64\Bin\rsscope_64.dll (dynamic)
- C:\Program Files\IVI Foundation\VISA\Win64\rsscope\rsscope.fp (in CVI only)
- C:\Program Files\IVI Foundation\VISA\Win64\rsscope\rsscope.sub (in CVI only)

2.3 VXIplug&play driver in C# and Visual Basic.NET

A C# or VB wrappers are necessary to access the driver DLL functions. The **rsscope** wrappers are automatically installed in the following folders:

32-bit driver

C:\Program Files (x86)\IVI Foundation\VISA\WinNT\include\rsscope.cs

C:\Program Files (x86)\IVI Foundation\VISA\WinNT\include\rsscope.vb

64-bit driver

C:\Program Files\IVI Foundation\VISA\Win64\include\rsscope64.cs

C:\Program Files\IVI Foundation\VISA\Win64\include\rsscope64.vb

2.4 VXIplug&play driver in MATLAB

MATLAB instrument driver **rsscope.mdd** can be found in:

32-bit driver

C:\Program Files (x86)\IVI Foundation\VISA\WinNT\rsscope\rsscope.mdd

64-bit driver

C:\Program Files\IVI Foundation\VISA\Win64\rsscope\rsscope.mdd

For detailed description on how to use the driver in MATLAB please refer to the Application Note [1MA171 - How to use R&S instrument in MATLAB](#)

2.5 Linux and Mac OS X

To be able to use Rohde & Schwarz **rsscope** Instrument driver in Linux or Mac OSX, the functioning VISA is required. Then, the process is the same as using LabWindows/CVI driver.

2.6 Additional Help

LabWindows/CVI and VXIplug&play instrument driver contains in addition the instrument driver documentation in compressed HTML format (Windows CHM help file **rsscope_vxi.chm**) and stored together with the driver sources or in the following folder:

32-bit driver

C:\Program Files (x86)\IVI Foundation\VISA\WinNT\rsscope\rsscope_vxi.chm

64-bit driver

C:\Program Files\IVI Foundation\VISA\Win64\rsscope\rsscope_vxi.chm

3 LabWindows/CVI and VXIplug&play driver history

| rscope Instrument Driver | | |
|---|---------|---|
| Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for, C/C++, VEE, MATLAB®, etc. | | |
| Revision | Date | Note |
| 4.15.0 | 01/2019 | <ul style="list-style-type: none"> * Support for RTP, RTO and RTE version 4.15 * Support for RTO & RTE version 4.15 * New core 3.x.x * New Subsystems - Deembedding - DDR3 Protocol - 100BASE-T1 Protocol - 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_ConfigureAutoSystemErrQuery - rscope_ConfigureMultiThreadLocking - rscope_GetAttributeRepCapName - rscope_ConfigureZoneTriggerInHistoryReplayState - rscope_ConfigureCalibrationSourceState - rscope_ConfigureChannelAntialiasing - rscope_QueryCursorHorizontalDeltaSlope - rscope_ConfigureMeasurementDisplayResultTablePosition - rscope_ConfigureMeasurementDisplayGroupResultDialogs - rscope_ConfigureGateCoupling - rscope_ConfigureGateZoomDiagram - rscope_ConfigureRemoteTraceFile - rscope_ConfigureRemoteTraceFileContent - rscope_ConfigureRemoteTraceDiagnostic - rscope_ConfigureRemoteTraceState - rscope_ConfigureRemoteTraceStartMode - rscope_ConfigureRemoteTraceStopMode - rscope_HardcopyPrintNext - rscope_ConfigureMaskTestNameState - rscope_RenameMaskTest |

| rscope Instrument Driver | | |
|---|------|---|
| Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for, C/C++, VEE, MATLAB®, etc. | | |
| Revision | Date | Note |
| | | <ul style="list-style-type: none"> - rscope_ConfigureMPHYTriggerPRPWidth - rscope_ConfigureMSOBusSignalSelection - rscope_ConfigureNoiseRejectHysteresisRangeInDivisions - rscope_ConfigureProbeDeembeddingSelectTipModule - rscope_ConfigureProbeDeembeddingMode - rscope_ConfigureProbeDeembeddingSourceImpedance - rscope_ConfigureProbeRTZHD - rscope_ConfigureProbeSkewOffset - rscope_ConfigureSkewExtendedRange - rscope_ConfigureCXPISpacing - rscope_ConfigureDPHYPhysicalConfiguration - rscope_ManchesterNRZExportFramesAsRawBits - rscope_ConfigureMPHYScrambledMode - rscope_QuerySPIFrameFormattedValue - rscope_ConfigureUSB31ProtocolType - rscope_ConfigureEBTBEstimatedBitrate - rscope_QueryReferenceWaveformSignalType - rscope_OneFileOperations - rscope_ConfigureSpectrumMaxNumberOfResults - rscope_ConfigureLineTriggerSlope - rscope_ConfigureEventTriggerRunExternalApplication - rscope_ConfigureTriggerInputProbeACCoupling - rscope_TriggerInputProbeDegauss - rscope_ConfigureTriggerInputProbeMode - rscope_ConfigureTriggerInputProbeRTZHD - rscope_ChangeFileAttributes - rscope_ConfigureManchesterNRZTriggerErrorNameEnabled - rscope_ConfigureManchesterNRZTriggerErrorNumericEnabled - rscope_ConfigureManchesterNRZTriggerFrameTypeNameEnabled - rscope_ConfigureManchesterNRZTriggerFrameTypeNumericEnabled - rscope_ConfigureManchesterNRZTriggerFrameFieldNameEnabled - rscope_ConfigureManchesterNRZTriggerFrameFieldNumericEnabled - rscope_ConfigureManchesterNRZTriggerFrameFieldNameBitState - rscope_ConfigureManchesterNRZTriggerFrameFieldNumericBitState - rscope_ConfigureManchesterNRZTriggerFrameFieldNameData - rscope_ConfigureManchesterNRZTriggerFrameFieldNumericData - rscope_ConfigureManchesterNRZTriggerFrameFieldNameIndex - rscope_ConfigureManchesterNRZTriggerFrameFieldNumericIndex - rscope_QueryEBTBSymbolParameters - rscope_QueryManchesterNRZResultCellStartStop |

| rscope Instrument Driver | | |
|---|------|--|
| Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for, C/C++, VEE, MATLAB®, etc. | | |
| Revision | Date | Note |
| | | <ul style="list-style-type: none"> - rscope_QueryMPHYFrameCellStatus - rscope_QueryMPHYSSICFrameType - rscope_QueryRFFESequenceParity - rscope_QuerySpaceWireFrameFieldStatus - rscope_QuerySpaceWireFrameFieldDataBytes - rscope_QuerySpaceWireFrameFieldFormattedValue - rscope_QueryUSBPDFrameFieldStartStop - rscope_QueryUSB31FrameFieldStartStop - rscope_ConfigureSearchGateDefinitionZoomDiagram - rscope_QueryMPHYSearchFrameCellStatus - rscope_QueryUSBPDSearchFrameFieldStartStop - rscope_QueryUSB31SearchFrameFieldStartStop - rscope_ConfigureUSBPDSearchErrorTypeNameEnabled - rscope_ConfigureUSBPDSearchErrorTypeNumericEnabled - rscope_ConfigureUSBPDSearchFrameTypeNameEnabled - rscope_ConfigureUSBPDSearchFrameTypeNumericEnabled - rscope_ConfigureUSBPDSearchFrameFieldNameEnabled - rscope_ConfigureUSBPDSearchFrameFieldNumericEnabled - rscope_ConfigureUSBPDSearchFrameFieldNameBitState - rscope_ConfigureUSBPDSearchFrameFieldNumericBitState - rscope_ConfigureUSBPDSearchFrameFieldNameData - rscope_ConfigureUSBPDSearchFrameFieldNumericData - rscope_ConfigureUSBPDSearchFrameFieldNameIndex - rscope_ConfigureUSBPDSearchFrameFieldNumericIndex - rscope_ConfigureUSBPDTriggerErrorTypeNameEnabled - rscope_ConfigureUSBPDTriggerErrorTypeNumericEnabled - rscope_ConfigureUSBPDTriggerFrameTypeNameEnabled - rscope_ConfigureUSBPDTriggerFrameTypeNumericEnabled - rscope_ConfigureUSBPDTriggerFrameFieldNameEnabled - rscope_ConfigureUSBPDTriggerFrameFieldNumericEnabled - rscope_ConfigureUSBPDTriggerFrameFieldNameBitState - rscope_ConfigureUSBPDTriggerFrameFieldNumericBitState - rscope_ConfigureUSBPDTriggerFrameFieldNameData - rscope_ConfigureUSBPDTriggerFrameFieldNumericData - rscope_ConfigureUSBPDTriggerFrameFieldNameIndex - rscope_ConfigureUSBPDTriggerFrameFieldNumericIndex - rscope_ConfigureUSB31SearchErrorTypeNameEnabled - rscope_ConfigureUSB31SearchErrorTypeNumericEnabled - rscope_ConfigureUSB31SearchFrameTypeNameEnabled - rscope_ConfigureUSB31SearchFrameTypeNumericEnabled |

| rscope Instrument Driver | | |
|---|------|---|
| Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for, C/C++, VEE, MATLAB®, etc. | | |
| Revision | Date | Note |
| | | <ul style="list-style-type: none"> - rscope_ConfigureUSB31SearchFrameFieldNameEnabled - rscope_ConfigureUSB31SearchFrameFieldNumericEnabled - rscope_ConfigureUSB31SearchFrameFieldNameBitState - rscope_ConfigureUSB31SearchFrameFieldNumericBitState - rscope_ConfigureUSB31SearchFrameFieldNameData - rscope_ConfigureUSB31SearchFrameFieldNumericData - rscope_ConfigureUSB31SearchFrameFieldNameIndex - rscope_ConfigureUSB31SearchFrameFieldNumericIndex - rscope_ConfigureUSB31TriggerErrorTypeNameEnabled - rscope_ConfigureUSB31TriggerErrorTypeNumericEnabled - rscope_ConfigureUSB31TriggerFrameTypeNameEnabled - rscope_ConfigureUSB31TriggerFrameTypeNumericEnabled - rscope_ConfigureUSB31TriggerFrameFieldNameEnabled - rscope_ConfigureUSB31TriggerFrameFieldNumericEnabled - rscope_ConfigureUSB31TriggerFrameFieldNameBitState - rscope_ConfigureUSB31TriggerFrameFieldNumericBitState - rscope_ConfigureUSB31TriggerFrameFieldNameData - rscope_ConfigureUSB31TriggerFrameFieldNumericData - rscope_ConfigureUSB31TriggerFrameFieldNameIndex - rscope_ConfigureUSB31TriggerFrameFieldNumericIndex - rscope_ConfigureEthernetTrigger - rscope_NumericResultsSelectItem - rscope_ConfigureNumericResultsParameters - rscope_SaveNumericResultsBoxes - rscope_ConfigureExternalApplication - rscope_ConfigureQuickAction - rscope_ExecuteQuickAction <p>* Modified:</p> <ul style="list-style-type: none"> - rscope_ConfigureCANThreshold - range updated at 'Manual Threshold' parameter - rscope_ConfigureI2CThreshold - range updated at 'SCL Threshold' and 'SDA Threshold' parameters - rscope_ConfigureLINThreshold - range updated at 'Manual Threshold' parameter - rscope_ConfigureLINTriggerCRCErrorsPattern - range updated at 'Data Length' parameter - rscope_ConfigureManchesterNRZCell - range updated at 'Bit Count' parameter - rscope_ConfigureSpaceWireThreshold - range updated at 'Hysteresis' parameter - rscope_ConfigureSPIThreshold - range updated at 'Clock Threshold', 'SS Threshold', 'MISO Threshold' and 'MOSI Threshold' parameters - rscope_ConfigureUARTThreshold - range updated at 'Rx Threshold' and 'Tx Threshold' parameters - rscope_ConfigureUSBThreshold - range updated at 'Threshold' parameter - rscope_ConfigureLINSearchCRCErrorsPattern - range updated at 'Data Length' parameter - rscope_ConfigureResetStatisticsSettings - range updated at 'Reset Count' parameter |

| rscope Instrument Driver | | |
|---|---------|---|
| Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for, C/C++, VEE, MATLAB®, etc. | | |
| Revision | Date | Note |
| | | <ul style="list-style-type: none"> - rscope_ConfigureReferenceLevelRelativeUserLevels - range updated at 'Upper Level', 'Middle Level' and 'Lower Level' parameters - rscope_ConfigureAmplitudeTimeSlope - parameter 'Slope' updated - rscope_ConfigureManchesterNRZTriggerType - parameter 'Type' updated - rscope_ConfigureTriggerInputProbeAttenuatorRTZA15 - SCPI command updated - rscope_ConfigureTVTrigger - 'Line Field' SCPI command updated - rscope_SetStatusRegister - added 'PPL', 'ZVC Overload' and 'Deembedding' - rscope_GetStatusRegister - added 'PPL', 'ZVC Overload' and 'Deembedding' - rscope_ConfigureMaskTestManagerOperations - added 'Clear All' to 'Operation' parameter - rscope_ConfigureMaskTestActionsOnEvent - added 'Save Report', 'Start External Application' and 'Create Trigger Out Pulse' to 'Event' parameter - rscope_ConfigureMeasurementEventActions - added 'Save Report' and 'Run External Application' to 'Event' parameter - rscope_ConfigureSpectrumLimitCheck - 'Measurement Type' redefinition of constants to match the repeated capability - rscope_ConfigureSpectrumLimitCheckLimits - 'Measurement Type' redefinition of constants to match the repeated capability - rscope_ConfigureSpectrumLimitCheckMargins - 'Measurement Type' redefinition of constants to match the repeated capability - rscope_ConfigureSpectrumMainMeasurement - added 'THD Fundamental Frequency' to 'Measurement Function' parameter - rscope_ConfigureSpectrumAdditionalMeasurement - added 'THD Fundamental Frequency' to 'Measurement Function' parameter - rscope_ReadSpectrumWaveformMeasurement - added 'THD Fundamental Frequency' to 'Measurement Function' parameter - rscope_FetchSpectrumWaveformMeasurement - added 'THD Fundamental Frequency' to 'Measurement Function' parameter - rscope_ReadStartStopSpectrumWaveformMeasurement - added 'THD Fundamental Frequency' to 'Measurement Function' parameter - rscope_FetchStartStopSpectrumWaveformMeasurement - added 'THD Fundamental Frequency' to 'Measurement Function' parameter - rscope_ConfigureSerialBusTriggerSource - added DDR3 and Ethernet 100BASE-T1 to protocol parameter |
| 3.65.1 | 12/2017 | Modified: <ul style="list-style-type: none"> - RSSCOPE_ATTR_HARDCOPY_DEVICE_DESTINATION - fixed bug when writing command parameters without apostrophes |
| 3.65.0 | 11/2017 | <ul style="list-style-type: none"> * Support for RTO & RTE version 3.65 * New Subsystems <ul style="list-style-type: none"> - ZVC Probe - EbTb Trigger * Modified: <ul style="list-style-type: none"> - Source parameters |

| rscope Instrument Driver | | |
|---|---------|---|
| Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for, C/C++, VEE, MATLAB®, etc. | | |
| Revision | Date | Note |
| 3.50.0 | 07/2017 | <ul style="list-style-type: none"> * Version 3.50.0 * Support for RTO & RTE version 3.50 * New Subsystems <ul style="list-style-type: none"> - Termination Voltage - Spectrum >> Result Labels - USB 31 Generation 1 - USB PD - PCIe - CXPI - FFT Coupling - FFT Spectrum Analysis - Generator * New: <ul style="list-style-type: none"> - rscope_ConfigureAcquisitionSampleRate - rscope_ConfigureProbeDMOffset - rscope_ConfigureProbeNegativeOffset - rscope_ConfigureProbePositiveOffset - rscope_ConfigureProbeMode - rscope_ConfigureMeasSource - rscope_ConfigureShowThresholdLines - rscope_ConfigureShowDetails - rscope_ConfigureCANFDStandard - rscope_ConfigureCANFDJumpWidth - rscope_ConfigureCANFDSamplePointAbsolute - rscope_ConfigureCANFDSamplePointRelative - rscope_QueryCANTriggerNumberOfDataBytes - rscope_ConfigureCANTriggerStuffCountError - rscope_QueryCANFrameNumberOfBytes - rscope_QueryCANFrameFormErrorCause - rscope_QueryCANFrameFDStuffCount - rscope_ConfigureCANSearchStuffCountError - rscope_QueryCANFDSearchFrameStandard - rscope_QueryCANSearchFrameNumberOfBytes - rscope_QueryCANSearchFrameFormErrorCause - rscope_QueryCANFDSearchFrameStuffCount - rscope_QueryEthernetWordFrameType - rscope_QueryEthernetWordNumberOfWords - rscope_QueryEthernetSearchWordFrameType - rscope_ConfigureManchesterNRZCellColorCRGB |

| rscope Instrument Driver | | |
|---|------|--|
| Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for, C/C++, VEE, MATLAB®, etc. | | |
| Revision | Date | Note |
| | | <ul style="list-style-type: none"> - rscope_QueryDPHYFrameNumberOfPackets - rscope_SetAttributeVilnt64 - rscope_GetAttributeVilnt64 - rscope_ConfigureFFTFrequencyAxis - rscope_ConfigureFFTUseColorTable * Modified: - rscope_ConfigureWaveformAcquisitionCoupleChannelsEnabled - command changed - rscope_ConfigureProbeMicroButtonAction - probe setup added - rscope_ConfigureCurrentProbePredefined - new probes - rscope_ConfigureTriggerInputProbeMicroButtonAction - probe setup added - rscope_ConfigureCurrentTriggerInputProbePredefined - new probes - rscope_ConfigureHighDefinition - range changed - rscope_ConfigureSerialBusTriggerSource - new protocols - rscope_ConfigureXYDiagram - new XY sources - rscope_ConfigureMeasurementSource - function is obsolete - rscope_ConfigureMeasurementEventActions - new event Trigger Out Pulse - rscope_ConfigureCursor - range table corrected for data source - rscope_ConfigureAmplitudeTimeMainMeasurement - new measurements - rscope_ConfigureAmplitudeTimeAdditionalMeasurement - new measurements - rscope_ConfigureSpectrumMainMeasurement - new functions - rscope_ConfigureSpectrumAdditionalMeasurement - new functions - rscope_ConfigureLongTermVerticalScaling - scale range added - rscope_ConfigureCANTriggerFDBits - DC for BRS added - rscope_QueryCANFrameStatus - new statuses - rscope_QueryCANFrameID - new status code - rscope_QueryCANFrameField - new field status - rscope_QueryCANFrameData - new status code - rscope_ConfigureCANSearchState - command corrected - rscope_ConfigureMDIOThreshold - threshold range added - rscope_QueryMDIOWordStatus - new Status - rscope_ConfigureManchesterNRZBitrate - bitrate range added - rscope_ConfigureNRZEnable - new sources - rscope_QueryManchesterNRZResultStatus - new statuses - rscope_QueryManchesterNRZResultCellStatus - new statuses - rscope_ConfigureMathSetup - new calculation methods - rscope_ConfigureFFTFrameSetup - new calculation methods - rscope_ConfigureReferenceWaveformVerticalScaling - vertical position range added - rscope_ReadMainWaveformMeasurement - reliability statistic type - rscope_ReadAmplitudeTimeWaveformMeasurement - reliability statistic type + slew rate function |

| rsscope Instrument Driver | | |
|---|---------|---|
| Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for, C/C++, VEE, MATLAB®, etc. | | |
| Revision | Date | Note |
| | | <ul style="list-style-type: none"> - rsscope_ReadStartStopAmplitudeTimeWaveformMeasurement - slew rate function - rsscope_ReadEyeJitterWaveformMeasurement - reliability statistic type - rsscope_ReadHistogramWaveformMeasurement - reliability statistic type - rsscope_ReadSpectrumWaveformMeasurement - reliability statistic type + new functions - rsscope_ReadStartStopSpectrumWaveformMeasurement - reliability statistic type + new function - rsscope_ReadJitterWaveformMeasurement - reliability statistic type - rsscope_FetchMainWaveformMeasurement - reliability statistic type - rsscope_FetchAmplitudeTimeWaveformMeasurement - reliability statistic type + slew rate function - rsscope_FetchStartStopAmplitudeTimeWaveformMeasurement - slew rate function - rsscope_FetchEyeJitterWaveformMeasurement - reliability statistic type - rsscope_FetchHistogramWaveformMeasurement - reliability statistic type - rsscope_FetchSpectrumWaveformMeasurement - reliability statistic type + new functions - rsscope_FetchStartStopSpectrumWaveformMeasurement - reliability statistic type + new function - rsscope_FetchJitterWaveformMeasurement - reliability statistic type - rsscope_SetStatusRegister - Lamplitude - rsscope_GetStatusRegister - Lamplitude - rsscope_QueryIQDataHeader - control name changed - rsscope_ReadSignals - bug fixed |
| 3.35.1 | 01/2017 | <ul style="list-style-type: none"> * Modified: - rsscope_ConfigureMeasurementSource - range checking for 'Signal Source 2' fixed |
| 3.35.0 | 12/2016 | <ul style="list-style-type: none"> * Support for RTO & RTE version 3.35 * New Subsystems - M-PHY - SPI Search - Spectrum Analysis * New: - rsscope_ConfigureWaveformAcquisitionCoupleChannelsEnabled - rsscope_ConfigureMultiwaveformAcquisitionEnabled - rsscope_ConfigureChannelInvert - rsscope_ConfigureZoneLogicalExpression - rsscope_ConfigureDisplayGateTransparency - rsscope_ConfigureSpectrumAbsoluteThreshold - rsscope_ConfigureRFFESearchInterrupt - rsscope_ConfigureMDIOMaxGapTime - rsscope_ConfigureNRZEnable - rsscope_ConfigureNRZENAPolarity - rsscope_ConfigureNRZThresholdValue - rsscope_ConfigureSpaceWireMinGap - rsscope_ConfigureReferenceMultiwaveformName |

| rsscope Instrument Driver | | |
|---|------|--|
| Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for, C/C++, VEE, MATLAB®, etc. | | |
| Revision | Date | Note |
| | | <ul style="list-style-type: none"> - rsscope_ConfigureReferenceMultiwaveformImport - rsscope_OpenReferenceMultiwaveform - rsscope_IsWaitingForTrigger - rsscope_SetVISATimeout - rsscope_GetVISATimeout - rsscope_ScopeModel - rsscope_ScopeSeries - rsscope_ScopeFamily - rsscope_SetFastSweepMode <p>* Modified:</p> <ul style="list-style-type: none"> - rsscope_ConfigureTimeBase - Reference range changed - rsscope_ConfigureProbeMicroButtonAction - new values - rsscope_ConfigureTriggerInputProbeMicroButtonAction - new values - rsscope_ConfigureSerialBusTriggerSource - new values - rsscope_ConfigureTriggerQualificationMultichannelLogic - fixed function name - rsscope_RemoveWaveformFromDiagram - removed values - rsscope_ConfigureMeasurementSource - changed sources - rsscope_ConfigureCursor - new sources - rsscope_ConfigureStateTriggerSearchQualificationMultichannelLogic - fixed function name - rsscope_ConfigurePatternTriggerSearchQualificationMultichannelLogic - fixed function name - rsscope_ConfigureI2CSource - removed sources - rsscope_ConfigureSPISource - removed sources - rsscope_ConfigureSPITriggerDataPosition - index max default - rsscope_ConfigureUARTSource - removed sources - rsscope_ConfigureCANSource - removed sources - rsscope_ConfigureFlexRaySource - removed sources - rsscope_ConfigureAudioClockLine - removed sources - rsscope_ConfigureAudioWLine - removed sources - rsscope_ConfigureAudioDataLine - removed sources - rsscope_ConfigureMIL1553Source - removed sources - rsscope_ConfigureARINC429Source - removed sources - rsscope_ConfigureRFFEGlitchFilter - changed width - rsscope_ConfigureRFFETiming - changed min gap range - rsscope_QueryRFFESequenceStatus - new types - rsscope_ConfigureUSBSource - default value - rsscope_ConfigureNRZSource - added sources - rsscope_ConfigureEBTBSource - added sources - rsscope_ConfigureDPHYSource - removed sources - rsscope_ConfigureSpaceWireSource - command changed |

| rsscope Instrument Driver | | |
|---|------|---|
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| Revision | Date | Note |
| | | <ul style="list-style-type: none"> - rsscope_ConfigureMathVerticalRange - changed range - rsscope_ConfigureMathVerticalScale - changed range - rsscope_ConfigureMathVerticalOffset - changed range - rsscope_ConfigureFFTMagnitude - changed reference level - rsscope_ConfigureReferenceWaveformSource - quick source removed - rsscope_ReadSignals - *CLS replaced with function Rs_ClearBeforeRead - rsscope_ConfigureCDRHardware - changed sources - rsscope_SetStatusRegister - frequency added - rsscope_GetStatusRegister - frequency added - rsscope_ConfigureWaveformExportSource - new sources - rsscope_ConfigureSpaceWireSource - command changed - rsscope_ConfigureSpaceWireThresholdPreset - command changed, values 0.1 V, 0.3 V, 2 V replaced with new values - rsscope_ConfigureSpaceWireThresholdCoupling - command changed - rsscope_ConfigureSpaceWireThreshold - command changed - rsscope_ConfigureAudioTrackWaveform - formatting Repeated Capability from Channel fixed - rsscope_ConfigureEdgeTriggerSource - items added to Trigger Source parameter - rsscope_ConfigureRuntTriggerSource - items added to Trigger Source parameter - rsscope_ConfigureGlitchTriggerSource - items added to Trigger Source parameter - rsscope_ConfigureWidthTriggerSource - items added to Trigger Source parameter - rsscope_ConfigureWindowTriggerSource - items added to Trigger Source parameter - rsscope_ConfigureTimeoutTriggerSource - items added to Trigger Source parameter - rsscope_ConfigureIntervalTriggerSource - items added to Trigger Source parameter - rsscope_ConfigureSlewRateTriggerSource - items added to Trigger Source parameter - rsscope_ConfigureData2ClockTriggerSource - items added to Trigger Source parameter - rsscope_ConfigureSerialPatternTriggerSource - items added to Trigger Source parameter - rsscope_ConfigureNFCTrigger - items added to Trigger Source parameter - rsscope_ConfigureTVTrigger - items added to Trigger Source parameter <p>* New attributes:</p> <ul style="list-style-type: none"> - RSSCOPE_ATTR_CHANNEL_INVERT (Channel Invert) - RSSCOPE_ATTR_WAVEFORM_ACQUISITION_COUPLE_CHANNELS_ENABLED (Waveform Acquisition Couple Channels Enabled) - RSSCOPE_ATTR_MULTIWAVEFORM_ACQUISITION_ENABLED (Multiwaveform Acquisition Enabled) - RSSCOPE_ATTR_MPHY_TRIGGER_TYPE (MPHY Trigger Type) - RSSCOPE_ATTR_MPHY_TRIGGER_LCC_TYPE (MPHY Trigger LCC Type) - RSSCOPE_ATTR_MPHY_TRIGGER_WORD_ONE_CONDITION (MPHY Trigger Word One Condition) - RSSCOPE_ATTR_MPHY_TRIGGER_WORD_ONE_MIN (MPHY Trigger Word One Min) - RSSCOPE_ATTR_MPHY_TRIGGER_WORD_ONE_MAX (MPHY Trigger Word One Max) - RSSCOPE_ATTR_MPHY_TRIGGER_WORD_TWO_CONDITION (MPHY Trigger Word Two Condition) - RSSCOPE_ATTR_MPHY_TRIGGER_WORD_TWO_MIN (MPHY Trigger Word Two Min) |

| rscope Instrument Driver | | |
|---|------|--|
| Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for, C/C++, VEE, MATLAB®, etc. | | |
| Revision | Date | Note |
| | | <ul style="list-style-type: none"> - RSSCOPE_ATTR_MPHY_TRIGGER_WORD_TWO_MAX (MPHY Trigger Word Two Max) - RSSCOPE_ATTR_MPHY_TRIGGER_WORD_THREE_CONDITION (MPHY Trigger Word Three Condition) - RSSCOPE_ATTR_MPHY_TRIGGER_WORD_THREE_MIN (MPHY Trigger Word Three Min) - RSSCOPE_ATTR_MPHY_TRIGGER_WORD_THREE_MAX (MPHY Trigger Word Three Max) - RSSCOPE_ATTR_MPHY_TRIGGER_WORD_FOUR_CONDITION (MPHY Trigger Word Four Condition) - RSSCOPE_ATTR_MPHY_TRIGGER_WORD_FOUR_MIN (MPHY Trigger Word Four Min) - RSSCOPE_ATTR_MPHY_TRIGGER_WORD_FOUR_MAX (MPHY Trigger Word Four Max) - RSSCOPE_ATTR_MPHY_TRIGGER_TC_PATTERN (MPHY Trigger TC Pattern) - RSSCOPE_ATTR_MPHY_TRIGGER_DATA_CONDITION (MPHY Trigger Data Condition) - RSSCOPE_ATTR_MPHY_TRIGGER_DATA_MIN (MPHY Trigger Data Min) - RSSCOPE_ATTR_MPHY_TRIGGER_DATA_MAX (MPHY Trigger Data Max) - RSSCOPE_ATTR_MPHY_TRIGGER_INDEX_CONDITION (MPHY Trigger Index Condition) - RSSCOPE_ATTR_MPHY_TRIGGER_INDEX_MIN (MPHY Trigger Index Min) - RSSCOPE_ATTR_MPHY_TRIGGER_INDEX_MAX (MPHY Trigger Index Max) - RSSCOPE_ATTR_MPHY_TRIGGER_FSN_CONDITION (MPHY Trigger FSN Condition) - RSSCOPE_ATTR_MPHY_TRIGGER_FSN_MIN (MPHY Trigger FSN Min) - RSSCOPE_ATTR_MPHY_TRIGGER_FSN_MAX (MPHY Trigger FSN Max) - RSSCOPE_ATTR_MPHY_TRIGGER_CRC_CONDITION (MPHY Trigger CRC Condition) - RSSCOPE_ATTR_MPHY_TRIGGER_CRC_MIN (MPHY Trigger CRC Min) - RSSCOPE_ATTR_MPHY_TRIGGER_CRC_MAX (MPHY Trigger CRC Max) - RSSCOPE_ATTR_MPHY_TRIGGER_CREQ_PATTERN (MPHY Trigger CREQ Pattern) - RSSCOPE_ATTR_MPHY_TRIGGER_RREQ_PATTERN (MPHY Trigger RREQ Pattern) - RSSCOPE_ATTR_MPHY_TRIGGER_CREDIT_CONDITION (MPHY Trigger Credit Condition) - RSSCOPE_ATTR_MPHY_TRIGGER_CREDIT_MIN (MPHY Trigger Credit Min) - RSSCOPE_ATTR_MPHY_TRIGGER_CREDIT_MAX (MPHY Trigger Credit Max) - RSSCOPE_ATTR_MPHY_TRIGGER_PACP_BEGIN_CONDITION (MPHY Trigger PACP Begin Condition) - RSSCOPE_ATTR_MPHY_TRIGGER_PACP_BEGIN_MIN (MPHY Trigger PACP Begin Min) - RSSCOPE_ATTR_MPHY_TRIGGER_PACP_BEGIN_MAX (MPHY Trigger PACP Begin Max) - RSSCOPE_ATTR_MPHY_TRIGGER_PACP_ID_CONDITION (MPHY Trigger PACP ID Condition) - RSSCOPE_ATTR_MPHY_TRIGGER_PACP_ID_MIN (MPHY Trigger PACP ID Min) - RSSCOPE_ATTR_MPHY_TRIGGER_PACP_ID_MAX (MPHY Trigger PACP ID Max) - RSSCOPE_ATTR_MPHY_TRIGGER_LCC_ERROR (MPHY Trigger LCC Error) - RSSCOPE_ATTR_MPHY_TRIGGER_ERROR_LENGTH (MPHY Trigger Error Length) - RSSCOPE_ATTR_MPHY_TRIGGER_ERROR_RESERVED (MPHY Trigger Error Reserved) - RSSCOPE_ATTR_MPHY_TRIGGER_ERROR_SYMBOL (MPHY Trigger Error Symbol) - RSSCOPE_ATTR_MPHY_TRIGGER_ERROR_UNIDENTIFIED_UNIPRO_FRAME (MPHY Trigger Error Unidentified UniPro Frame) - RSSCOPE_ATTR_ZONE_LOGICAL_EXPRESSION (Zone Logical Expression) |

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| | | <ul style="list-style-type: none"> - RSSCOPE_ATTR_SPECTRUM_ABSOLUTE_THRESHOLD (Spectrum Absolute Threshold) - RSSCOPE_ATTR_REFERENCE_WAVEFORM_MULTICHANNEL_FILE_NAME (Reference Waveform Multichannel File Name) - RSSCOPE_ATTR_REFERENCE_WAVEFORM_MULTICHANNEL_IMPORT (Reference Waveform Multichannel Import) - RSSCOPE_ATTR_REFERENCE_WAVEFORM_MULTICHANNEL_OPEN (Reference Waveform Multichannel Open) - RSSCOPE_ATTR_SEARCH_RFFE_INTERRUPT_PATTERN (Search RFFE Interrupt Pattern) - RSSCOPE_ATTR_SEARCH_SPI_MODE (Search SPI Mode) - RSSCOPE_ATTR_SEARCH_SPI_DATA_OPERATOR (Search SPI Data Operator) - RSSCOPE_ATTR_SEARCH_SPI_MISO_PATTERN (Search SPI MISO Pattern) - RSSCOPE_ATTR_SEARCH_SPI_MOSI_PATTERN (Search SPI MOSI Pattern) - RSSCOPE_ATTR_SEARCH_SPI_DATA_POSITION_OPERATOR (Search SPI Data Position Operator) - RSSCOPE_ATTR_SEARCH_SPI_DATA_POSITION (Search SPI Data Position) - RSSCOPE_ATTR_SEARCH_SPI_DATA_ALIGNMENT (Search SPI Data Alignment) - RSSCOPE_ATTR_SEARCH_SPI_DATA_POSITION_TO (Search SPI Data Position To) - RSSCOPE_ATTR_SEARCH_MPHY_TYPE (Search MPHY Type) - RSSCOPE_ATTR_SEARCH_MPHY_LCC_TYPE (Search MPHY LCC Type) - RSSCOPE_ATTR_SEARCH_MPHY_WORD_ONE_CONDITION (Search MPHY Word One Condition) - RSSCOPE_ATTR_SEARCH_MPHY_WORD_ONE_MIN (Search MPHY Word One Min) - RSSCOPE_ATTR_SEARCH_MPHY_WORD_ONE_MAX (Search MPHY Word One Max) - RSSCOPE_ATTR_SEARCH_MPHY_WORD_TWO_CONDITION (Search MPHY Word Two Condition) - RSSCOPE_ATTR_SEARCH_MPHY_WORD_TWO_MIN (Search MPHY Word Two Min) - RSSCOPE_ATTR_SEARCH_MPHY_WORD_TWO_MAX (Search MPHY Word Two Max) - RSSCOPE_ATTR_SEARCH_MPHY_WORD_THREE_CONDITION (Search MPHY Word Three Condition) - RSSCOPE_ATTR_SEARCH_MPHY_WORD_THREE_MIN (Search MPHY Word Three Min) - RSSCOPE_ATTR_SEARCH_MPHY_WORD_THREE_MAX (Search MPHY Word Three Max) - RSSCOPE_ATTR_SEARCH_MPHY_WORD_FOUR_CONDITION (Search MPHY Word Four Condition) - RSSCOPE_ATTR_SEARCH_MPHY_WORD_FOUR_MIN (Search MPHY Word Four Min) - RSSCOPE_ATTR_SEARCH_MPHY_WORD_FOUR_MAX (Search MPHY Word Four Max) - RSSCOPE_ATTR_SEARCH_MPHY_TC_PATTERN (Search MPHY TC Pattern) - RSSCOPE_ATTR_SEARCH_MPHY_DATA_CONDITION (Search MPHY Data Condition) - RSSCOPE_ATTR_SEARCH_MPHY_DATA_MIN (Search MPHY Data Min) - RSSCOPE_ATTR_SEARCH_MPHY_DATA_MAX (Search MPHY Data Max) - RSSCOPE_ATTR_SEARCH_MPHY_INDEX_CONDITION (Search MPHY Index Condition) - RSSCOPE_ATTR_SEARCH_MPHY_INDEX_MIN (Search MPHY Index Min) - RSSCOPE_ATTR_SEARCH_MPHY_INDEX_MAX (Search MPHY Index Max) - RSSCOPE_ATTR_SEARCH_MPHY_FSN_CONDITION (Search MPHY FSN Condition) - RSSCOPE_ATTR_SEARCH_MPHY_FSN_MIN (Search MPHY FSN Min) - RSSCOPE_ATTR_SEARCH_MPHY_FSN_MAX (Search MPHY FSN Max) |

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| | | <ul style="list-style-type: none"> - RSSCOPE_ATTR_SEARCH_MPHY_CRC_CONDITION (Search MPHY CRC Condition) - RSSCOPE_ATTR_SEARCH_MPHY_CRC_MIN (Search MPHY CRC Min) - RSSCOPE_ATTR_SEARCH_MPHY_CRC_MAX (Search MPHY CRC Max) - RSSCOPE_ATTR_SEARCH_MPHY_CREQ_PATTERN (Search MPHY CREQ Pattern) - RSSCOPE_ATTR_SEARCH_MPHY_RREQ_PATTERN (Search MPHY RREQ Pattern) - RSSCOPE_ATTR_SEARCH_MPHY_CREDIT_CONDITION (Search MPHY Credit Condition) - RSSCOPE_ATTR_SEARCH_MPHY_CREDIT_MIN (Search MPHY Credit Min) - RSSCOPE_ATTR_SEARCH_MPHY_CREDIT_MAX (Search MPHY Credit Max) - RSSCOPE_ATTR_SEARCH_MPHY_PACP_BEGIN_CONDITION (Search MPHY PACP Begin Condition) - RSSCOPE_ATTR_SEARCH_MPHY_PACP_BEGIN_MIN (Search MPHY PACP Begin Min) - RSSCOPE_ATTR_SEARCH_MPHY_PACP_BEGIN_MAX (Search MPHY PACP Begin Max) - RSSCOPE_ATTR_SEARCH_MPHY_PACP_ID_CONDITION (Search MPHY PACP ID Condition) - RSSCOPE_ATTR_SEARCH_MPHY_PACP_ID_MIN (Search MPHY PACP ID Min) - RSSCOPE_ATTR_SEARCH_MPHY_PACP_ID_MAX (Search MPHY PACP ID Max) - RSSCOPE_ATTR_SEARCH_MPHY_LCC_ERROR (Search MPHY LCC Error) - RSSCOPE_ATTR_SEARCH_MPHY_ERROR_LENGTH (Search MPHY Error Length) - RSSCOPE_ATTR_SEARCH_MPHY_ERROR_RESERVED (Search MPHY Error Reserved) - RSSCOPE_ATTR_SEARCH_MPHY_ERROR_SYMBOL (Search MPHY Error Symbol) - RSSCOPE_ATTR_SEARCH_MPHY_ERROR_UNIDENTIFIED_UNIPRO_FRAME (Search MPHY Error Unidentified UniPro Frame) - RSSCOPE_ATTR_PROTOCOL_MDIO_MAX_GAP_TIME (Protocol MDIO Max Gap Time) - RSSCOPE_ATTR_PROTOCOL_NRZ_ENABLE_SOURCE (Protocol NRZ Enable Source) - RSSCOPE_ATTR_PROTOCOL_NRZ_ENA_POLARITY (Protocol NRZ ENA Polarity) - RSSCOPE_ATTR_PROTOCOL_NRZ_THRESHOLD_VALUE (Protocol NRZ Threshold Value) - RSSCOPE_ATTR_PROTOCOL_MPHY (Protocol MPHY) - RSSCOPE_ATTR_PROTOCOL_MPHY_DATA_LANES (Protocol MPHY Data Lanes) - RSSCOPE_ATTR_PROTOCOL_MPHY_DATA_SOURCE_ZERO (Protocol MPHY Data Source Zero) - RSSCOPE_ATTR_PROTOCOL_MPHY_DATA_SOURCE_ONE (Protocol MPHY Data Source One) - RSSCOPE_ATTR_PROTOCOL_MPHY_DATA_SOURCE_TWO (Protocol MPHY Data Source Two) - RSSCOPE_ATTR_PROTOCOL_MPHY_DATA_SOURCE_THREE (Protocol MPHY Data Source Three) - RSSCOPE_ATTR_PROTOCOL_MPHY_THRESHOLD_ZERO (Protocol MPHY Threshold Zero) - RSSCOPE_ATTR_PROTOCOL_MPHY_THRESHOLD_ONE (Protocol MPHY Threshold One) - RSSCOPE_ATTR_PROTOCOL_MPHY_THRESHOLD_TWO (Protocol MPHY Threshold Two) - RSSCOPE_ATTR_PROTOCOL_MPHY_THRESHOLD_THREE (Protocol MPHY Threshold Three) - RSSCOPE_ATTR_PROTOCOL_MPHY_THRESHOLD_COUPLING_ENABLED (Protocol MPHY Threshold Coupling Enabled) - RSSCOPE_ATTR_PROTOCOL_MPHY_THRESHOLD_PRESET (Protocol MPHY Threshold Preset) - RSSCOPE_ATTR_PROTOCOL_MPHY_FRAME_COUNT (Protocol MPHY Frame Count) - RSSCOPE_ATTR_SPECTRUM_ANALYSIS_X_SCALING (Spectrum Analysis X Scaling) - RSSCOPE_ATTR_SPECTRUM_ANALYSIS_WAVEFORM_DATA_SIGNAL_TYPE (Spectrum Analysis |

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| | | <p>Waveform Data Signal Type)</p> <ul style="list-style-type: none"> - RSSCOPE_ATTR_SPECTRUM_ANALYSIS_COLOR_TABLE_MODE (Spectrum Analysis Color Table Mode) - RSSCOPE_ATTR_SPECTRUM_ANALYSIS_USE_COLOR_TABLE (Spectrum Analysis Use Color Table) - RSSCOPE_ATTR_SPECTRUM_ANALYSIS_SPECTROGRAM_ENABLED (Spectrum Analysis Spectrogram Enabled) - RSSCOPE_ATTR_SPECTRUM_ANALYSIS_COUPLED_SPECTRUM (Spectrum Analysis Coupled Spectrum) - RSSCOPE_ATTR_SPECTRUM_ANALYSIS_TIMELINE_ENABLED (Spectrum Analysis Timeline Enabled) - RSSCOPE_ATTR_SPECTRUM_ANALYSIS_TIMELINE_POSITION (Spectrum Analysis Timeline Position) - RSSCOPE_ATTR_DISPLAY_GATE_TRANSPARENCY (Display Gate Transparency) - RSSCOPE_ATTR_SCOPE_MODEL (Scope Model) - RSSCOPE_ATTR_SCOPE_SERIES (Scope Series) - RSSCOPE_ATTR_SCOPE_FAMILY (Scope Family) <p>* Modified attributes:</p> <ul style="list-style-type: none"> - RSSCOPE_ATTR_HORZ_TIME_PER_RECORD (Horizontal Time Per Record) - Range changed. - RSSCOPE_ATTR_HORZ_RECORD_LENGTH_LIMIT (Horizontal Record Length Limit) - Range changed. - RSSCOPE_ATTR_HORZ_SCALE (Horizontal Scale) - Range changed. - RSSCOPE_ATTR_PROBE_MICRO_BUTTON_ACTION (Probe Micro Button Action) - New values. - RSSCOPE_ATTR_PROBE_ATTENUATION_MANUAL (Probe Attenuation Manual) - Range changed. - RSSCOPE_ATTR_PROBE_GAIN_MANUAL (Probe Gain Manual) - Changed default - RSSCOPE_ATTR_PROBE_PREDEFINED_CURRENT_PROBE (Probe Predefined Current Probe) - ZC30 added. - RSSCOPE_ATTR_TRIGGER_PROBE_MICRO_BUTTON_ACTION (Trigger Input Probe Micro Button Action) - New values. - RSSCOPE_ATTR_CHANNEL_BANDWIDTH_LIMIT (Channel Bandwidth Limit) - Values removed. - RSSCOPE_ATTR_TRIGGER_TYPE (Trigger Type) - Analog edge added. - RSSCOPE_ATTR_INTERVAL_POLARITY (Interval Polarity) - Command changed - RSSCOPE_ATTR_SERIAL_PATTERN_SOURCE (Serial Pattern Source) - Range table changed. - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_TYPE (Protocol USB Trigger Type) - Reset command string changed. - RSSCOPE_ATTR_CURSOR_SOURCE (Cursor Source) - Range table modified - RSSCOPE_ATTR_CURSOR_X_POSITION (Cursor X Position) - Range changed. - RSSCOPE_ATTR_JITTER_CLOCK_MEASUREMENT_CYCLE_OFFSET (Jitter Clock Measurement Cycle Offset) - Command changed from MEASurement:JITter:COFFset - RSSCOPE_ATTR_SPECTRUM_NOISE_REJECT (Spectrum Noise Reject) - Changed command form NRE to THR. - RSSCOPE_ATTR_SPECTRUM_PEAK_EXCURSION (Spectrum Peak Excursion) - Changed command form NRE to THR. |

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| | | <ul style="list-style-type: none"> - RSSCOPE_ATTR_GATING_RELATIVE_START (Gating Relative Start) - Range added. - RSSCOPE_ATTR_GATING_RELATIVE_STOP (Gating Relative Stop) - Range changed. - RSSCOPE_ATTR_USER_REFERENCE_RELATIVE_UPPER_LEVEL (User Reference Relative Upper Level) - Range. - RSSCOPE_ATTR_USER_REFERENCE_RELATIVE_MIDDLE_LEVEL (User Reference Relative Middle Level) - Range. - RSSCOPE_ATTR_USER_REFERENCE_RELATIVE_LOWER_LEVEL (User Reference Relative Lower Level) - Range - RSSCOPE_ATTR_USER_REFERENCE_HYSTERESIS (User Reference Hysteresis) - Data type changed from ViInt32 (int) to ViReal64 (double) - RSSCOPE_ATTR_TUBE_RELATIVE_INNER_DISTANCE (Tube Relative Inner Distance) - Range table was modified. - RSSCOPE_ATTR_MATH_VERTICAL_RANGE (Math Vertical Range) - Range table was modified. - RSSCOPE_ATTR_MATH_VERTICAL_OFFSET (Math Vertical Offset) - Range table was modified. - RSSCOPE_ATTR_MATH_ACQUIRED_WAVEFORMS (Math Acquired Waveforms) - Command changed. - RSSCOPE_ATTR_FFT_MAGNITUDE_UNIT (FFT Magnitude Unit) - New values. - RSSCOPE_ATTR_FFT_GATE_RELATIVE_START (FFT Gate Relative Start) - Range added. - RSSCOPE_ATTR_FFT_GATE_RELATIVE_STOP (FFT Gate Relative Stop) - Range added. - RSSCOPE_ATTR_SEARCH_TRIGGER_INTERVAL_POLARITY (Search Trigger Interval Polarity) - Command changed. - RSSCOPE_ATTR_SEARCH_CAN_START_OF_FRAME_ENABLED (Search CAN Start Of Frame Enabled) - Command long form updated. - RSSCOPE_ATTR_SEARCH_FLEXRAY_START_OF_FRAME_ENABLED (Search FlexRay Start Of Frame Enabled) - Command long form updated. - RSSCOPE_ATTR_PROTOCOL_TYPE (Protocol Type) - New values. - RSSCOPE_ATTR_PROTOCOL_SPI_MOSI_SOURCE (Protocol SPI MOSI Source) - Range table was modified. - RSSCOPE_ATTR_PROTOCOL_CAN_SAMPLE_POINT_ABS (Protocol CAN Sample Point Abs) - Range added. - RSSCOPE_ATTR_PROTOCOL_SENT_DATA_SOURCE (Protocol SENT Data Source) - Range table was modified. - RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_STROBE_SOURCE (Protocol Space Wire Strobe Source) - Command changed - RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_DATA_SOURCE (Protocol Space Wire Data Source) - Command changed. - RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_THRESHOLD_PRESET (Protocol Space Wire Threshold Preset) - Command changed. Removed some values, added some values. - RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_THRESHOLD_COUPLING (Protocol Space Wire Threshold Coupling) - Command changed. - RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_STROBE_THRESHOLD (Protocol Space Wire Strobe Threshold) - Command changed. - RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_DATA_THRESHOLD (Protocol Space Wire Data Threshold) - Command changed. - RSSCOPE_ATTR_POWER_CURRENT_HARMONICS_EN_FREQUENCY (Power Current Harmonics |

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| | | <p>EN Frequency) - Only values F400 and F60 remains.</p> <ul style="list-style-type: none"> - RSCOPE_ATTR_POWER_CURRENT_HARMONICS_DO_FREQUENCY (Power Current Harmonics DO Frequency) - Only values F400 and F60 remains. - RSCOPE_ATTR_POWER_RIPPLE_FREQUENCY (Power Ripple Frequency) - Range changed - RSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_TRIGGER_LEVEL (Transient Response Trigger Level) - Changed range. - RSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_TUBE_TOLERANCE (Transient Response Tube Tolerance) - Min changed. - RSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_SIGNAL_HIGH (Transient Response Signal High) - Range changed - RSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_SIGNAL_LOW (Transient Response Signal Low) - Range changed. - RSCOPE_ATTR_CDR_SOFTWARE_BIT_RATE (CDR Software Bit Rate) - Min changed. - RSCOPE_ATTR_ID_QUERY_RESPONSE (ID Query Response) - SCPI Command added, changed to read-only. - RSCOPE_ATTR_IDN_QUERY_RESPONSE (ID 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") - QRegister - Command Values ("COV,TEMP,LIM,MARG,MASK,ADCS,FREQ", "COV,TEMP,LIM,MARG,MASK,ADCS") <p>* Modified Range Tables:</p> <ul style="list-style-type: none"> - rscope_rngHorzReference - RSCOPE_ATTR_HORZ_REFERENCE Range changed to <0;100> - rscope_rngHorzRecordSelection.RSCOPE_VAL_RECORD_TIME - RSCOPE_ATTR_HORZ_RECORD_SELECTION Help changed ("Record Length", "Record Time") - rscope_rngHorzRecordSelection.RSCOPE_VAL_RECORD_TIME - RSCOPE_ATTR_HORZ_RECORD_SELECTION Description changed ("Record Length", "Record Time") - rscope_rngTriggerSequence - RSCOPE_ATTR_TRIGGER_SEQUENCE_MODE New items: RSCOPE_VAL_SEQ_AZ, RSCOPE_VAL_SEQ_ABRZ - rscope_rngEyeJitterMeasurementType.RSCOPE_VAL_MEAS_RMS_NOISE - RSCOPE_ATTR_EYE_MAIN_MEASUREMENT Help changed ("RMS Noise", "Noise in RMS") - rscope_rngEyeJitterMeasurementType.RSCOPE_VAL_MEAS_RMS_NOISE - RSCOPE_ATTR_EYE_MAIN_MEASUREMENT Description changed ("RMS Noise", "Noise in RMS") - rscope_rngSpectrumMeasurementType.RSCOPE_VAL_MEAS_HAR - |

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| | | <p>RSSCOPE_ATTR_SPECTRUM_MAIN_MEASUREMENT</p> <p>Help changed ("Harmonic Search", "Harmonic search")</p> <p>- rscope_rngProbabilityType.RSSCOPE_VAL_PROBABILITY_UPPK - RSSCOPE_ATTR_HISTOGRAM_PROBABILITY_TYPE</p> <p>Description changed ("Upper Peak", "UPPK")</p> <p>- rscope_rngProbabilityType.RSSCOPE_VAL_PROBABILITY_LWPK - RSSCOPE_ATTR_HISTOGRAM_PROBABILITY_TYPE</p> <p>Description changed ("Lower Peak", "LWPK")</p> <p>- rscope_rngLimitType.RSSCOPE_VAL_LIMIT_MARGIN - RSSCOPE_ATTR_MEASUREMENT_LIMIT_TYPE</p> <p>Description changed ("Limits And Margins", "Limits and Margins")</p> <p>- rscope_rngFFTReferenceLevel - RSSCOPE_ATTR_FFT_REFERENCE_LEVEL</p> <p>Range changed to <-100.0e+24;1.0e+15></p> <p>- rscope_rngHysteresis - RSSCOPE_ATTR_USER_REFERENCE_HYSTERESIS</p> <p>Range changed to <0.0;50.0></p> <p>- rscope_rngHysteresis - RSSCOPE_ATTR_USER_REFERENCE_HYSTERESIS</p> <p>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</p> <p>Description changed ("Run Continuous", "Run Continues")</p> <p>- rscope_rngProbeButtonAction - RSSCOPE_ATTR_PROBE_MICRO_BUTTON_ACTION, RSSCOPE_ATTR_TRIGGER_PROBE_MICRO_BUTTON_ACTION</p> <p>New items: RSSCOPE_VAL_PROBE_BUTTON_PROBEMODE</p> <p>- 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> |

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| | | <p>Deleted items: RSSCOPE_VAL_PROTOCOL_WAV_QUICK</p> <p>- rscope_rngProtocolType - RSSCOPE_ATTR_PROTOCOL_TYPE</p> <p>New items: RSSCOPE_VAL_MPHY</p> <p>- rscope_rngProtocolSPITriggerType.RSSCOPE_VAL_SPI_TRIGGER_MOMI - RSSCOPE_ATTR_PROTOCOL_SPI_TRIGGER_MODE, RSSCOPE_ATTR_SEARCH_SPI_MODE</p> <p>Description changed ("MOMI", "MOSI/MISO")</p> <p>- rscope_rngProtocolSPITriggerOffset - RSSCOPE_ATTR_PROTOCOL_SPI_TRIGGER_DATA_INDEX_MIN, RSSCOPE_ATTR_PROTOCOL_SPI_TRIGGER_DATA_INDEX_MAX</p> <p>Range changed to <1;4095></p> <p>- rscope_rngCalibrationSourceFrequency.RSSCOPE_VAL_CALIBRATION_FREQUENCY_MHZ10 - RSSCOPE_ATTR_CALIBRATION_SOURCE_FREQUENCY</p> <p>Description changed ("10 MHz", "10 MHz square wave")</p> <p>- rscope_rngCalibrationSourceFrequency.RSSCOPE_VAL_CALIBRATION_FREQUENCY_GHZ1 - RSSCOPE_ATTR_CALIBRATION_SOURCE_FREQUENCY</p> <p>Description changed ("1 GHz", "1 GHz sine wave")</p> <p>- rscope_rngAttUnits.RSSCOPE_VAL_ATT_V - RSSCOPE_ATTR_PROBE_VERTICAL_UNIT, RSSCOPE_ATTR_TRIGGER_PROBE_VERTICAL_UNIT</p> <p>Description changed ("Volt", "Voltage")</p> <p>- rscope_rngAttUnits.RSSCOPE_VAL_ATT_A - RSSCOPE_ATTR_PROBE_VERTICAL_UNIT, RSSCOPE_ATTR_TRIGGER_PROBE_VERTICAL_UNIT</p> <p>Description changed ("Ampere", "Current")</p> <p>- rscope_rngAttUnits.RSSCOPE_VAL_ATT_W - RSSCOPE_ATTR_PROBE_VERTICAL_UNIT, RSSCOPE_ATTR_TRIGGER_PROBE_VERTICAL_UNIT</p> <p>Description changed ("Watt", "Power")</p> <p>- rscope_rngCursor.RSSCOPE_VAL_CURSOR_1 - RSSCOPE_ATTR_WAVEFORM_EXPORT_SCOPE_CURSOR</p> <p>Description changed ("1", "Cursor 1")</p> <p>- rscope_rngCursor.RSSCOPE_VAL_CURSOR_2 - RSSCOPE_ATTR_WAVEFORM_EXPORT_SCOPE_CURSOR</p> <p>Description changed ("2", "Cursor 2")</p> <p>- rscope_rngCursor.RSSCOPE_VAL_CURSOR_3 - RSSCOPE_ATTR_WAVEFORM_EXPORT_SCOPE_CURSOR</p> <p>Description changed ("3", "Cursor 3")</p> <p>- rscope_rngCursor.RSSCOPE_VAL_CURSOR_4 - RSSCOPE_ATTR_WAVEFORM_EXPORT_SCOPE_CURSOR</p> <p>Description changed ("4", "Cursor 4")</p> <p>- rscope_rngAudioVariant.RSSCOPE_VAL_AUDIO_VARIANT_I2S - RSSCOPE_ATTR_PROTOCOL_AUDIO_VARIANT</p> <p>Description changed ("I2S Standard", "Inter-IC")</p> <p>- rscope_rngAudioVariant.RSSCOPE_VAL_AUDIO_VARIANT_TDM - RSSCOPE_ATTR_PROTOCOL_AUDIO_VARIANT</p> <p>Description changed ("TDM", "Time Division Multiplexed")</p> <p>- rscope_rngMathVerticalScale - RSSCOPE_ATTR_MATH_VERTICAL_SCALE</p> |

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| | | <p>Range changed to <1.0e-12;100.0e+12></p> <p>- rscope_rngCDRHardwareSource - RSSCOPE_ATTR_CDR_HARDWARE_SOURCE New items: RSSCOPE_VAL_C1, RSSCOPE_VAL_C2, RSSCOPE_VAL_C3, RSSCOPE_VAL_C4</p> <p>- RsScope_rngPowerCurrentHarmonicsVoltageResultsDisplay.RSSCOPE_VAL_CURRENT_HARMONICS_VOLTDISP - RSSCOPE_ATTR_POWER_CURRENT_HARMONICS_EVALUATION_VOLT Description changed ("Opposite voltage harmonic result displayed", "Voltage display")</p> <p>- RsScope_rngTransientResponseTriggerSource.RSSCOPE_VAL_POWER_TR_TRIGGER_CHAN1 - RSSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_TRIGGER_SOURCE Description changed ("Channel 1", "Input channel 1")</p> <p>- RsScope_rngTransientResponseTriggerSource.RSSCOPE_VAL_POWER_TR_TRIGGER_CHAN2 - RSSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_TRIGGER_SOURCE Description changed ("Channel 2", "Input channel 2")</p> <p>- RsScope_rngTransientResponseTriggerSource.RSSCOPE_VAL_POWER_TR_TRIGGER_CHAN3 - RSSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_TRIGGER_SOURCE Description changed ("Channel 3", "Input channel 3")</p> <p>- RsScope_rngTransientResponseTriggerSource.RSSCOPE_VAL_POWER_TR_TRIGGER_CHAN4 - RSSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_TRIGGER_SOURCE Description changed ("Channel 4", "Input channel 4")</p> <p>- rscope_rngProtocolDataIndexOperator.RSSCOPE_VAL_COND_IN - RSSCOPE_ATTR_MANCHESTER_NRZ_TRIGGER_INDEX_CONDITION Description changed ("In range", "In Range")</p> <p>- rscope_rngProtocolMIL1553TriggerCommandTransmitReceive.RSSCOPE_VAL_MIL1553_TRIGGER_COMMAND_TR_ZERO - RSSCOPE_ATTR_PROTOCOL_MIL1553_TRIGGER_COMMAND_TRANSMIT_RECEIVE, RSSCOPE_ATTR_SEARCH_MIL1553_COMMAND_TRANSMIT_RECEIVE Description changed ("Receive", "Zero")</p> <p>- rscope_rngProtocolMIL1553TriggerCommandTransmitReceive.RSSCOPE_VAL_MIL1553_TRIGGER_COMMAND_TR_ONE - RSSCOPE_ATTR_PROTOCOL_MIL1553_TRIGGER_COMMAND_TRANSMIT_RECEIVE, RSSCOPE_ATTR_SEARCH_MIL1553_COMMAND_TRANSMIT_RECEIVE Description changed ("Transmit", "One")</p> <p>- rscope_rngProtocolMIL1553TriggerCommandTransmitReceive.RSSCOPE_VAL_MIL1553_TRIGGER_COMMAND_TR_DC - RSSCOPE_ATTR_PROTOCOL_MIL1553_TRIGGER_COMMAND_TRANSMIT_RECEIVE, RSSCOPE_ATTR_SEARCH_MIL1553_COMMAND_TRANSMIT_RECEIVE Description changed ("Either", "DC")</p> <p>- rscope_rngProtocolARINC429DataOperator.RSSCOPE_VAL_COND_IN - RSSCOPE_ATTR_PROTOCOL_ARINC429_TRIGGER_DATA_PATTERN_CONDITION, RSSCOPE_ATTR_SEARCH_ARINC429_DATA_PATTERN_CONDITION Description changed ("In Range", "In range")</p> |

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| | | <p>- rscope_rngProtocolARINC429DataOperator.RSSCOPE_VAL_COND_OUT - RSSCOPE_ATTR_PROTOCOL_ARINC429_TRIGGER_DATA_PATTERN_CONDITION, RSSCOPE_ATTR_SEARCH_ARINC429_DATA_PATTERN_CONDITION</p> <p style="text-align: center;">Description changed ("Out Of Range", "Out of range")</p> <p>- RsScope_rngProtocolCANTriggerDLCCondition.RSSCOPE_VAL_COND_GE - RSSCOPE_ATTR_PROTOCOL_CAN_TRIGGER_DLC_CONDITION</p> <p style="text-align: center;">Description changed (">=", ">")</p> <p>- rscope_rngProtocolCANPositionCondition.RSSCOPE_VAL_COND_GE - RSSCOPE_ATTR_PROTOCOL_CAN_TRIGGER_POSITION_CONDITION, RSSCOPE_ATTR_SEARCH_CAN_POSITION_CONDITION</p> <p style="text-align: center;">Description changed (">=", ">")</p> <p>- rscope_rngProtocolCANPositionCondition.RSSCOPE_VAL_COND_IN - RSSCOPE_ATTR_PROTOCOL_CAN_TRIGGER_POSITION_CONDITION, RSSCOPE_ATTR_SEARCH_CAN_POSITION_CONDITION</p> <p style="text-align: center;">Description changed ("In range", "In Range")</p> <p>- rscope_rngProtocolRFFEMinGapTime - RSSCOPE_ATTR_PROTOCOL_RFFE_MIN_GAP_TIME</p> <p style="text-align: center;">Range changed to <10.0E-9;10.0E-6></p> <p>- rscope_rngProtocolRFFEGlitchFilterWidth - RSSCOPE_ATTR_PROTOCOL_RFFE_GLITCH_FILTER_WIDTH</p> <p style="text-align: center;">Range changed to <10.0E-12;10.0E-9></p> <p>- rscope_rngProtocolRFFESequenceType -</p> <p style="text-align: center;">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 style="text-align: center;">Range changed to <1E-9;10E-6></p> <p>- RsScope_rngSpaceWireThresholdPreset - RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_THRESHOLD_PRESET</p> <p style="text-align: center;">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 style="text-align: center;">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 style="text-align: center;">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,</p> |

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| | | 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 |
| 3.0.1 | 08/2016 | <ul style="list-style-type: none"> - rscope_InitiateAcquisition - bug fixed - rscope_ConfigureMeasurementSource - bug fixed - rscope_ConfigureEdgeTriggerSource - added Line as Trigger Source - rscope_error_query - reads out all errors from the instrument |
| 3.0.0 | 05/2016 | <ul style="list-style-type: none"> * Support for RTO & RTE version 3.0 * New Subsystems <ul style="list-style-type: none"> - D-PHY - Space Wire - Reports - Autonaming * New: <ul style="list-style-type: none"> - rscope_QueryNumberOfAcquisitions - rscope_QueryHistoryTimeReference - rscope_ConfigureGateDefinitionCursor - rscope_PowerQualityCustomFrequency - rscope_ConfigureWaveformExportTimestamps - rscope_ConfigureHardcopySettings - rscope_ClearStatus - rscope_IDQueryResponse - rscope_ProcessAllPreviousCommands - rscope_QueryOPC * Modified: <ul style="list-style-type: none"> - rscope_ConfigureRecordLengthLimit - range changed - rscope_ConfigureProbeMicroButtonAction - new values - rscope_ConfigureTriggerInputProbeMicroButtonAction - new values - rscope_ConfigureSerialBusTriggerSource - new values - rscope_ConfigureAmplitudeTimeSlope - new count type - rscope_ConfigureReferenceLevelRelativeUserLevels - ranges changed - rscope_ConfigureMathResetMode - command changed - rscope_QueryCursorDistance - using proper attributes - rscope_ConfigureCursorEnvelopeWaveformSelection - using proper attributes - rscope_QueryARINC429AllData - fixed result parsing - rscope_QueryARINC429SearchAllData - fixed result parsing - rscope_QueryRFFESequenceAllData - fixed result parsing |

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| | | <ul style="list-style-type: none"> - rscope_QueryRFFESearchSequenceAllData - fixed result parsing - rscope_QueryEthernetWordAllData - fixed result parsing - rscope_QueryEthernetSearchWordAllData - fixed result parsing - rscope_QueryEBTBSymbolDataBytes - fixed result parsing - rscope_QueryEBTBSearchSymbolDataBytes - fixed result parsing - rscope_QueryMIL1553AllData - fixed result parsing - rscope_QueryMIL1553SearchAllData - fixed result parsing <p>* New attributes:</p> <ul style="list-style-type: none"> - RSSCOPE_ATTR_NUMBER_OF_ACQUISITIONS (Number Of Acquisitions) - RSSCOPE_ATTR_DPHY_TRIGGER_TYPE (DPHY Trigger Type) - RSSCOPE_ATTR_DPHY_TRIGGER_VIRTUAL_CHANNEL (DPHY Trigger Virtual Channel) - RSSCOPE_ATTR_DPHY_TRIGGER_DATA_TYPE_CONDITION (DPHY Trigger Data Type Condition) - RSSCOPE_ATTR_DPHY_TRIGGER_DATA_TYPE_MIN (DPHY Trigger Data Type Min) - RSSCOPE_ATTR_DPHY_TRIGGER_DATA_TYPE_MAX (DPHY Trigger Data Type Max) - RSSCOPE_ATTR_DPHY_TRIGGER_WORD_COUNT_CONDITION (DPHY Trigger Word Count Condition) - RSSCOPE_ATTR_DPHY_TRIGGER_WORD_COUNT_MIN (DPHY Trigger Word Count Min) - RSSCOPE_ATTR_DPHY_TRIGGER_WORD_COUNT_MAX (DPHY Trigger Word Count Max) - RSSCOPE_ATTR_DPHY_TRIGGER_HIGH_SPEED_DATA_CONDITION (DPHY Trigger High Speed Data Condition) - RSSCOPE_ATTR_DPHY_TRIGGER_HIGH_SPEED_DATA_MIN (DPHY Trigger High Speed Data Min) - RSSCOPE_ATTR_DPHY_TRIGGER_HIGH_SPEED_DATA_MAX (DPHY Trigger High Speed Data Max) - RSSCOPE_ATTR_DPHY_TRIGGER_LOW_POWER_ESCAPE_MODE_DATA_CONDITION (DPHY Trigger Low Power Escape Mode Data Condition) - RSSCOPE_ATTR_DPHY_TRIGGER_LOW_POWER_ESCAPE_MODE_DATA_MIN (DPHY Trigger Low Power Escape Mode Data Min) - RSSCOPE_ATTR_DPHY_TRIGGER_LOW_POWER_ESCAPE_MODE_DATA_MAX (DPHY Trigger Low Power Escape Mode Data Max) - RSSCOPE_ATTR_DPHY_TRIGGER_HIGH_SPEED_DATA_INDEX_CONDITION (DPHY Trigger High Speed Data Index Condition) - RSSCOPE_ATTR_DPHY_TRIGGER_HIGH_SPEED_DATA_INDEX_MIN (DPHY Trigger High Speed Data Index Min) - RSSCOPE_ATTR_DPHY_TRIGGER_HIGH_SPEED_DATA_INDEX_MAX (DPHY Trigger High Speed Data Index Max) - RSSCOPE_ATTR_DPHY_TRIGGER_LOW_POWER_ESCAPE_MODE_DATA_INDEX_CONDITION (DPHY Trigger Low Power Escape Mode Data Index Condition) - RSSCOPE_ATTR_DPHY_TRIGGER_LOW_POWER_ESCAPE_MODE_DATA_INDEX_MIN (DPHY Trigger Low Power Escape Mode Data Index Min) - RSSCOPE_ATTR_DPHY_TRIGGER_LOW_POWER_ESCAPE_MODE_DATA_INDEX_MAX (DPHY Trigger Low Power Escape Mode Data Index Max) - RSSCOPE_ATTR_DPHY_TRIGGER_ESCAPE_MODE_CONDITION (DPHY Trigger Escape Mode Condition) |

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| | | <ul style="list-style-type: none"> - RSSCOPE_ATTR_DPHY_TRIGGER_ESCAPE_MODE_MIN (DPHY Trigger Escape Mode Min) - RSSCOPE_ATTR_DPHY_TRIGGER_ESCAPE_MODE_MAX (DPHY Trigger Escape Mode Max) - RSSCOPE_ATTR_SPACE_WIRE_TRIGGER_TYPE (Space Wire Trigger Type) - RSSCOPE_ATTR_SPACE_WIRE_TRIGGER_CONTROL_TYPE (Space Wire Trigger Control Type) - RSSCOPE_ATTR_SPACE_WIRE_TRIGGER_TIME_CODE_CONDITION (Space Wire Trigger Time Code Condition) - RSSCOPE_ATTR_SPACE_WIRE_TRIGGER_TIME_CODE_MIN (Space Wire Trigger Time Code Min) - RSSCOPE_ATTR_SPACE_WIRE_TRIGGER_TIME_CODE_MAX (Space Wire Trigger Time Code Max) - RSSCOPE_ATTR_SPACE_WIRE_TRIGGER_DATA_CONDITION (Space Wire Trigger Data Condition) - RSSCOPE_ATTR_SPACE_WIRE_TRIGGER_DATA_MIN (Space Wire Trigger Data Min) - RSSCOPE_ATTR_SPACE_WIRE_TRIGGER_DATA_MAX (Space Wire Trigger Data Max) - RSSCOPE_ATTR_SPACE_WIRE_TRIGGER_PARITY_ERROR (Space Wire Trigger Parity Error) - RSSCOPE_ATTR_SPACE_WIRE_TRIGGER_ESCAPE_ERROR (Space Wire Trigger Escape Error) - RSSCOPE_ATTR_AMPLITUDE_MEASURED_SLOPE (Amplitude Measured Slope) - RSSCOPE_ATTR_GATING_CURSOR_COUPLING_ENABLED (Gating Cursor Coupling Enabled) - RSSCOPE_ATTR_GATING_CURSOR_SET (Gating Cursor Set) - RSSCOPE_ATTR_DPHY_SEARCH_TYPE (DPHY Search Type) - RSSCOPE_ATTR_DPHY_SEARCH_VIRTUAL_CHANNEL (DPHY Search Virtual Channel) - RSSCOPE_ATTR_DPHY_SEARCH_DATA_TYPE_CONDITION (DPHY Search Data Type Condition) - RSSCOPE_ATTR_DPHY_SEARCH_DATA_TYPE_MIN (DPHY Search Data Type Min) - RSSCOPE_ATTR_DPHY_SEARCH_DATA_TYPE_MAX (DPHY Search Data Type Max) - RSSCOPE_ATTR_DPHY_SEARCH_WORD_COUNT_CONDITION (DPHY Search Word Count Condition) - RSSCOPE_ATTR_DPHY_SEARCH_WORD_COUNT_MIN (DPHY Search Word Count Min) - RSSCOPE_ATTR_DPHY_SEARCH_WORD_COUNT_MAX (DPHY Search Word Count Max) - RSSCOPE_ATTR_DPHY_SEARCH_HIGH_SPEED_DATA_CONDITION (DPHY Search High Speed Data Condition) - RSSCOPE_ATTR_DPHY_SEARCH_HIGH_SPEED_DATA_MIN (DPHY Search High Speed Data Min) - RSSCOPE_ATTR_DPHY_SEARCH_HIGH_SPEED_DATA_MAX (DPHY Search High Speed Data Max) - RSSCOPE_ATTR_DPHY_SEARCH_LOW_POWER_ESCAPE_MODE_DATA_CONDITION (DPHY Search Low Power Escape Mode Data Condition) - RSSCOPE_ATTR_DPHY_SEARCH_LOW_POWER_ESCAPE_MODE_DATA_MIN (DPHY Search Low Power Escape Mode Data Min) - RSSCOPE_ATTR_DPHY_SEARCH_LOW_POWER_ESCAPE_MODE_DATA_MAX (DPHY Search Low Power Escape Mode Data Max) - RSSCOPE_ATTR_DPHY_SEARCH_HIGH_SPEED_DATA_INDEX_CONDITION (DPHY Search High Speed Data Index Condition) - RSSCOPE_ATTR_DPHY_SEARCH_HIGH_SPEED_DATA_INDEX_MIN (DPHY Search High Speed Data Index Min) - RSSCOPE_ATTR_DPHY_SEARCH_HIGH_SPEED_DATA_INDEX_MAX (DPHY Search High Speed Data Index Max) - RSSCOPE_ATTR_DPHY_SEARCH_LOW_POWER_ESCAPE_MODE_DATA_INDEX_CONDITION (DPHY Search Low Power Escape Mode Data Index Condition) |

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| | | <ul style="list-style-type: none"> - RSSCOPE_ATTR_DPHY_SEARCH_LOW_POWER_ESCAPE_MODE_DATA_INDEX_MIN (DPHY Search Low Power Escape Mode Data Index Min) - RSSCOPE_ATTR_DPHY_SEARCH_LOW_POWER_ESCAPE_MODE_DATA_INDEX_MAX (DPHY Search Low Power Escape Mode Data Index Max) - RSSCOPE_ATTR_DPHY_SEARCH_ESCAPE_MODE_CONDITION (DPHY Search Escape Mode Condition) - RSSCOPE_ATTR_DPHY_SEARCH_ESCAPE_MODE_MIN (DPHY Search Escape Mode Min) - RSSCOPE_ATTR_DPHY_SEARCH_ESCAPE_MODE_MAX (DPHY Search Escape Mode Max) - RSSCOPE_ATTR_SEARCH_DPHY_FRAME_COUNT (Search DPHY Frame Count) - RSSCOPE_ATTR_SPACE_WIRE_SEARCH_TYPE (Space Wire Search Type) - RSSCOPE_ATTR_SPACE_WIRE_SEARCH_CONTROL_TYPE (Space Wire Search Control Type) - RSSCOPE_ATTR_SPACE_WIRE_SEARCH_TIME_CODE_CONDITION (Space Wire Search Time Code Condition) - RSSCOPE_ATTR_SPACE_WIRE_SEARCH_TIME_CODE_MIN (Space Wire Search Time Code Min) - RSSCOPE_ATTR_SPACE_WIRE_SEARCH_TIME_CODE_MAX (Space Wire Search Time Code Max) - RSSCOPE_ATTR_SPACE_WIRE_SEARCH_DATA_CONDITION (Space Wire Search Data Condition) - RSSCOPE_ATTR_SPACE_WIRE_SEARCH_DATA_MIN (Space Wire Search Data Min) - RSSCOPE_ATTR_SPACE_WIRE_SEARCH_DATA_MAX (Space Wire Search Data Max) - RSSCOPE_ATTR_SPACE_WIRE_SEARCH_PARITY_ERROR (Space Wire Search Parity Error) - RSSCOPE_ATTR_SPACE_WIRE_SEARCH_ESCAPE_ERROR (Space Wire Search Escape Error) - RSSCOPE_ATTR_SEARCH_SPACE_WIRE_FRAME_COUNT (Search Space Wire Frame Count) - RSSCOPE_ATTR_PROTOCOL_DPHY_VARIANT (Protocol DPHY Variant) - RSSCOPE_ATTR_PROTOCOL_DPHY_DATA_LANES (Protocol DPHY Data Lanes) - RSSCOPE_ATTR_PROTOCOL_DPHY_CP_SOURCE (Protocol DPHY CP Source) - RSSCOPE_ATTR_PROTOCOL_DPHY_DN_ZERO_SOURCE (Protocol DPHY DN Zero Source) - RSSCOPE_ATTR_PROTOCOL_DPHY_DP_ZERO_SOURCE (Protocol DPHY DP Zero Source) - RSSCOPE_ATTR_PROTOCOL_DPHY_DP_ONE_SOURCE (Protocol DPHY DP One Source) - RSSCOPE_ATTR_PROTOCOL_DPHY_DP_TWO_SOURCE (Protocol DPHY DP Two Source) - RSSCOPE_ATTR_PROTOCOL_DPHY_DP_THREE_SOURCE (Protocol DPHY DP Three Source) - RSSCOPE_ATTR_PROTOCOL_DPHY_CP_PROBE (Protocol DPHY CP Probe) - RSSCOPE_ATTR_PROTOCOL_DPHY_DN_ZERO_PROBE (Protocol DPHY DN Zero Probe) - RSSCOPE_ATTR_PROTOCOL_DPHY_DP_ZERO_PROBE (Protocol DPHY DP Zero Probe) - RSSCOPE_ATTR_PROTOCOL_DPHY_DP_ONE_PROBE (Protocol DPHY DP One Probe) - RSSCOPE_ATTR_PROTOCOL_DPHY_DP_TWO_PROBE (Protocol DPHY DP Two Probe) - RSSCOPE_ATTR_PROTOCOL_DPHY_DP_THREE_PROBE (Protocol DPHY DP Three Probe) - RSSCOPE_ATTR_PROTOCOL_DPHY_DATA_RATE (Protocol DPHY Data Rate) - RSSCOPE_ATTR_PROTOCOL_DPHY_DISPALY_DATA_VECTOR (Protocol DPHY Dispaly Data Vector) - RSSCOPE_ATTR_PROTOCOL_DPHY_THRESHOLD_PRESET (Protocol DPHY Threshold Preset) - RSSCOPE_ATTR_PROTOCOL_DPHY_THRESHOLD_COUPLING (Protocol DPHY Threshold Coupling) - RSSCOPE_ATTR_PROTOCOL_DPHY_HIGH_SPEED_CP_THRESHOLD (Protocol DPHY High Speed |

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| | | <p>CP Threshold)</p> <ul style="list-style-type: none"> - RSSCOPE_ATTR_PROTOCOL_DPHY_HIGH_SPEED_DP_ZERO_THRESHOLD (Protocol DPHY High Speed DP Zero Threshold) - RSSCOPE_ATTR_PROTOCOL_DPHY_HIGH_SPEED_DP_ONE_THRESHOLD (Protocol DPHY High Speed DP One Threshold) - RSSCOPE_ATTR_PROTOCOL_DPHY_HIGH_SPEED_DP_TWO_THRESHOLD (Protocol DPHY High Speed DP Two Threshold) - RSSCOPE_ATTR_PROTOCOL_DPHY_HIGH_SPEED_DP_THREE_THRESHOLD (Protocol DPHY High Speed DP Three Threshold) - RSSCOPE_ATTR_PROTOCOL_DPHY_HIGH_SPEED_CP_HYSTERESIS (Protocol DPHY High Speed CP Hysteresis) - RSSCOPE_ATTR_PROTOCOL_DPHY_HIGH_SPEED_DP_ZERO_HYSTERESIS (Protocol DPHY High Speed DP Zero Hysteresis) - RSSCOPE_ATTR_PROTOCOL_DPHY_HIGH_SPEED_DP_ONE_HYSTERESIS (Protocol DPHY High Speed DP One Hysteresis) - RSSCOPE_ATTR_PROTOCOL_DPHY_HIGH_SPEED_DP_TWO_HYSTERESIS (Protocol DPHY High Speed DP Two Hysteresis) - RSSCOPE_ATTR_PROTOCOL_DPHY_HIGH_SPEED_DP_THREE_HYSTERESIS (Protocol DPHY High Speed DP Three Hysteresis) - RSSCOPE_ATTR_PROTOCOL_DPHY_LOW_POWER_DN_ZERO_THRESHOLD_UPPER (Protocol DPHY Low Power DN Zero Threshold Upper) - RSSCOPE_ATTR_PROTOCOL_DPHY_LOW_POWER_DP_ZERO_THRESHOLD_UPPER (Protocol DPHY Low Power DP Zero Threshold Upper) - RSSCOPE_ATTR_PROTOCOL_DPHY_LOW_POWER_DN_ZERO_THRESHOLD_LOWER (Protocol DPHY Low Power DN Zero Threshold Lower) - RSSCOPE_ATTR_PROTOCOL_DPHY_LOW_POWER_DP_ZERO_THRESHOLD_LOWER (Protocol DPHY Low Power DP Zero Threshold Lower) - RSSCOPE_ATTR_PROTOCOL_DPHY_FRAME_COUNT (Protocol DPHY Frame Count) - RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_STROBE_SOURCE (Protocol Space Wire Strobe Source) - RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_DATA_SOURCE (Protocol Space Wire Data Source) - RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_THRESHOLD_PRESET (Protocol Space Wire Threshold Preset) - RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_THRESHOLD_COUPLING (Protocol Space Wire Threshold Coupling) - RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_STROBE_THRESHOLD (Protocol Space Wire Strobe Threshold) - RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_DATA_THRESHOLD (Protocol Space Wire Data Threshold) - RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_STROBE_HYSTERESIS (Protocol Space Wire Strobe Hysteresis) - RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_DATA_HYSTERESIS (Protocol Space Wire Data Hysteresis) - RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_SYNC_SETTINGS (Protocol Space Wire Sync Settings) - RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_SYNC_BIT_POSITION (Protocol Space Wire Sync Bit |

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| | | <p>Position)</p> <ul style="list-style-type: none"> - RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_MIN_GAP (Protocol Space Wire Min Gap) - RSSCOPE_ATTR_PROTOCOL_SPACE_WIRE_FRAME_COUNT (Protocol Space Wire Frame Count) - RSSCOPE_ATTR_POWER_QUALITY_CUSTOM_FREQUENCY (Power Quality Custom Frequency) - RSSCOPE_ATTR_HISTORY_TIME_REFERENCE (History Time Reference) - RSSCOPE_ATTR_WAVEFORM_EXPORT_TIMESTAMPS (Waveform Export Timestamps) - RSSCOPE_ATTR_REPORT_LANGUAGE (Report Language) - RSSCOPE_ATTR_REPORT_PAPER_SIZE (Report Paper Size) - RSSCOPE_ATTR_REPORT_USER (Report User) - RSSCOPE_ATTR_REPORT_COMMENT (Report Comment) - RSSCOPE_ATTR_REPORT_LOGO_TYPE (Report Logo Type) - RSSCOPE_ATTR_REPORT_LOGO_FILE (Report Logo File) - RSSCOPE_ATTR_REPORT_FILE_NAME (Report File Name) - RSSCOPE_ATTR_SAVE_REPORT (Save Report) - RSSCOPE_ATTR_AUTONAMING_PREFIX (Autonaming Prefix) - RSSCOPE_ATTR_AUTONAMING_TEXT (Autonaming Text) - RSSCOPE_ATTR_AUTONAMING_USER_TEXT (Autonaming User Text) - RSSCOPE_ATTR_AUTONAMING_DATE (Autonaming Date) - RSSCOPE_ATTR_AUTONAMING_INDEX (Autonaming Index) - RSSCOPE_ATTR_AUTONAMING_TIME (Autonaming Time) - RSSCOPE_ATTR_AUTONAMING_DEFAULT_PATH (Autonaming Default Path) - RSSCOPE_ATTR_AUTONAMING_RESET_PATH (Autonaming Reset Path) - RSSCOPE_ATTR_AUTONAMING_RESET_ALL_SETTINGS (Autonaming Reset All Settings) - RSSCOPE_ATTR_LOGGING (Logging) - RSSCOPE_ATTR_SYSTEM_ERROR (System Error) <p>* Modified attributes:</p> <ul style="list-style-type: none"> - RSSCOPE_ATTR_HORZ_TIME_PER_RECORD (Horizontal Time Per Record) - Range changed. - RSSCOPE_ATTR_HORZ_RECORD_LENGTH_LIMIT (Horizontal Record Length Limit) - Range changed. - RSSCOPE_ATTR_HORZ_SCALE (Horizontal Scale) - Range changed. - RSSCOPE_ATTR_PROBE_MICRO_BUTTON_ACTION (Probe Micro Button Action) - New values. - RSSCOPE_ATTR_PROBE_ATTENUATION_MANUAL (Probe Attenuation Manual) - Range changed. - RSSCOPE_ATTR_PROBE_GAIN_MANUAL (Probe Gain Manual) - Changed default - RSSCOPE_ATTR_PROBE_PREDEFINED_CURRENT_PROBE (Probe Predefined Current Probe) - ZC30 added. - RSSCOPE_ATTR_TRIGGER_PROBE_MICRO_BUTTON_ACTION (Trigger Input Probe Micro Button Action) - New values. - RSSCOPE_ATTR_CHANNEL_BANDWIDTH_LIMIT (Channel Bandwidth Limit) - Values removed. - RSSCOPE_ATTR_TRIGGER_TYPE (Trigger Type) - Analog edge added. - RSSCOPE_ATTR_INTERVAL_POLARITY (Interval Polarity) - Command changed |

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| | | <ul style="list-style-type: none"> - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_TYPE (Protocol USB Trigger Type) - Reset command string changed. - RSSCOPE_ATTR_CURSOR_X_POSITION (Cursor X Position) - Range changed. - RSSCOPE_ATTR_JITTER_CLOCK_MEASUREMENT_CYCLE_OFFSET (Jitter Clock Measurement Cycle Offset) - Command changed from MEASurement:JITTer:COFFset - RSSCOPE_ATTR_SPECTRUM_NOISE_REJECT (Spectrum Noise Reject) - Changed command form NRE to THR. - RSSCOPE_ATTR_SPECTRUM_PEAK_EXCURSION (Spectrum Peak Excursion) - Changed command form NRE to THR. - RSSCOPE_ATTR_GATING_RELATIVE_START (Gating Relative Start) - Range added. - RSSCOPE_ATTR_GATING_RELATIVE_STOP (Gating Relative Stop) - Range changed. - RSSCOPE_ATTR_USER_REFERENCE_RELATIVE_UPPER_LEVEL (User Reference Relative Upper Level) - Range. - RSSCOPE_ATTR_USER_REFERENCE_RELATIVE_MIDDLE_LEVEL (User Reference Relative Middle Level) - Range. - RSSCOPE_ATTR_USER_REFERENCE_RELATIVE_LOWER_LEVEL (User Reference Relative Lower Level) - Range - RSSCOPE_ATTR_MATH_ACQUIRED_WAVEFORMS (Math Acquired Waveforms) - Command changed. - RSSCOPE_ATTR_FFT_MAGNITUDE_UNIT (FFT Magnitude Unit) - New values. - RSSCOPE_ATTR_FFT_GATE_RELATIVE_START (FFT Gate Relative Start) - Range added. - RSSCOPE_ATTR_FFT_GATE_RELATIVE_STOP (FFT Gate Relative Stop) - Range added. - RSSCOPE_ATTR_SEARCH_TRIGGER_INTERVAL_POLARITY (Search Trigger Interval Polarity) - Command changed. - RSSCOPE_ATTR_SEARCH_CAN_START_OF_FRAME_ENABLED (Search CAN Start Of Frame Enabled) - Command long form updated. - RSSCOPE_ATTR_SEARCH_FLEXRAY_START_OF_FRAME_ENABLED (Search FlexRay Start Of Frame Enabled) - Command long form updated. - RSSCOPE_ATTR_PROTOCOL_TYPE (Protocol Type) - New values. - RSSCOPE_ATTR_PROTOCOL_CAN_SAMPLE_POINT_ABS (Protocol CAN Sample Point Abs) - Range added. - RSSCOPE_ATTR_POWER_CURRENT_HARMONICS_EN_FREQUENCY (Power Current Harmonics EN Frequency) - Only values F400 and F60 remains. - RSSCOPE_ATTR_POWER_CURRENT_HARMONICS_DO_FREQUENCY (Power Current Harmonics DO Frequency) - Only values F400 and F60 remains. - RSSCOPE_ATTR_POWER_RIPPLE_FREQUENCY (Power Ripple Frequency) - Range changed - RSSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_TRIGGER_LEVEL (Transient Response Trigger Level) - Changed range. - RSSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_TUBE_TOLERANCE (Transient Response Tube Tolerance) - Min changed. - RSSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_SIGNAL_HIGH (Transient Response Signal High) - Range changed - RSSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_SIGNAL_LOW (Transient Response Signal Low) - Range changed. - RSSCOPE_ATTR_CDR_SOFTWARE_BIT_RATE (CDR Software Bit Rate) - Min changed. |

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| Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for, C/C++, VEE, MATLAB®, etc. | | |
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| | | <p>- RSCOPE_ATTR_ID_QUERY_RESPONSE (ID Query Response) - SCPI Command added, changed to read-only.</p> <p>* Modified Range Tables:</p> <p>- rscope_rngTriggerType.RSCOPE_VAL_DATA_TO_CLOCK_TRIGGER - RSCOPE_ATTR_TRIGGER_TYPE Description changed ("Data to Clock", "Data2Clock")</p> <p>- rscope_rngTriggerType - RSCOPE_ATTR_TRIGGER_TYPE New items: RSCOPE_VAL_ANALOG_EDGE_TRIGGER</p> <p>- rscope_rngPct - RSCOPE_ATTR_HISTOGRAM_PROBABILITY_LIMIT, RSCOPE_ATTR_SPECTRUM_N_DB_DOWN, RSCOPE_ATTR_SPECTRUM_NOISE_REJECT, RSCOPE_ATTR_SPECTRUM_PEAK_EXCURSION, RSCOPE_ATTR_USER_REFERENCE_RELATIVE_UPPER_LEVEL, RSCOPE_ATTR_USER_REFERENCE_RELATIVE_MIDDLE_LEVEL, RSCOPE_ATTR_USER_REFERENCE_RELATIVE_LOWER_LEVEL, RSCOPE_ATTR_TUBE_RELATIVE_OUTER_DISTANCE, RSCOPE_ATTR_SIGNAL_STYLE_INTENSITY Range changed to <-100;200></p> <p>- rscope_rngHorzRecordLength - RSCOPE_ATTR_HORZ_RECORD_LENGTH, RSCOPE_ATTR_HORZ_RECORD_LENGTH_LIMIT Range changed to <1000;800000000></p> <p>- rscope_rngProbeButtonAction - RSCOPE_ATTR_PROBE_MICRO_BUTTON_ACTION, RSCOPE_ATTR_TRIGGER_PROBE_MICRO_BUTTON_ACTION New items: RSCOPE_VAL_PROBE_BUTTON_PRINT, RSCOPE_VAL_PROBE_BUTTON_SAVE_TO_FILE, RSCOPE_VAL_PROBE_BUTTON_REPORT</p> <p>- rscope_rngProtocolType - RSCOPE_ATTR_PROTOCOL_TYPE New items: RSCOPE_VAL_DPHY, RSCOPE_VAL_SWIRE</p> <p>- rscope_rngProtocolSPITriggerType.RSCOPE_VAL_SPI_TRIGGER_MOMI - RSCOPE_ATTR_PROTOCOL_SPI_TRIGGER_MODE Description changed ("MOSI/MISO", "MOMI")</p> <p>- rscope_rngProtocolUARTParity.RSCOPE_VAL_UART_SPACE - RSCOPE_ATTR_PROTOCOL_UART_PARITY Description changed ("Space", "SPC")</p> <p>- rscope_rngProtocolUARTParity.RSCOPE_VAL_UART_DC - RSCOPE_ATTR_PROTOCOL_UART_PARITY Description changed ("Don't Care", "DC")</p> <p>- rscope_rngProtocolUARTLine.RSCOPE_VAL_UART_RX - RSCOPE_ATTR_PROTOCOL_UART_TRIGGER_SOURCE Description changed ("Rx", "Receiver")</p> <p>- rscope_rngProtocolUARTLine.RSCOPE_VAL_UART_TX - RSCOPE_ATTR_PROTOCOL_UART_TRIGGER_SOURCE Description changed ("Tx", "Transmitter")</p> <p>- rscope_rngProtocolUARTDataPosition.RSCOPE_VAL_UART_TRIGGER_NEQUAL - RSCOPE_ATTR_PROTOCOL_UART_TRIGGER_DATA_POSITION Description changed ("Not Equal", "Not equal")</p> |

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| Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for, C/C++, VEE, MATLAB®, etc. | | |
| Revision | Date | Note |
| | | <p>- rscope_rngProtocolUARTDataPosition.RSSCOPE_VAL_UART_TRIGGER_GREATER - RSSCOPE_ATTR_PROTOCOL_UART_TRIGGER_DATA_POSITION Description changed ("Greater Than", ">")</p> <p>- rscope_rngProtocolUARTDataPosition.RSSCOPE_VAL_UART_TRIGGER_INRANGE - RSSCOPE_ATTR_PROTOCOL_UART_TRIGGER_DATA_POSITION Description changed ("In Range", "In range")</p> <p>- rscope_rngProtocolLINTechnology.RSSCOPE_VAL_LIN_V6 - RSSCOPE_ATTR_PROTOCOL_LIN_TECHNOLOGY Command changed ("V6", "V25")</p> <p>- rscope_rngProtocolLINTechnology.RSSCOPE_VAL_LIN_V25 - RSSCOPE_ATTR_PROTOCOL_LIN_TECHNOLOGY Command changed ("V25", "V6")</p> <p>- 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)")</p> <p>- rscope_rngEnvelopeType.RSSCOPE_VAL_ENVELOPE_MIN - RSSCOPE_ATTR_ENVELOPE_SELECTION Description changed ("Minimum", "Min")</p> <p>- rscope_rngEnvelopeType.RSSCOPE_VAL_ENVELOPE_MAX - RSSCOPE_ATTR_ENVELOPE_SELECTION Description changed ("Maximum", "Max")</p> <p>- rscope_rngSPIPositionCondition.RSSCOPE_VAL_SPI_COND_ANY - RSSCOPE_ATTR_PROTOCOL_SPI_TRIGGER_POSITION_CONDITION Help changed ("Any", "")</p> <p>- rscope_rngSPIPositionCondition.RSSCOPE_VAL_SPI_COND_EQ - RSSCOPE_ATTR_PROTOCOL_SPI_TRIGGER_POSITION_CONDITION Help changed ("Equal", "")</p> <p>- rscope_rngSPIPositionCondition.RSSCOPE_VAL_SPI_COND_EQ - RSSCOPE_ATTR_PROTOCOL_SPI_TRIGGER_POSITION_CONDITION Description changed ("=", "Equal")</p> <p>- rscope_rngSPIPositionCondition.RSSCOPE_VAL_SPI_COND_NEQ - RSSCOPE_ATTR_PROTOCOL_SPI_TRIGGER_POSITION_CONDITION Help changed ("Not Equal", "")</p> <p>- rscope_rngSPIPositionCondition.RSSCOPE_VAL_SPI_COND_NEQ - RSSCOPE_ATTR_PROTOCOL_SPI_TRIGGER_POSITION_CONDITION Description changed ("!=", "Not Equal")</p> <p>- rscope_rngSPIPositionCondition.RSSCOPE_VAL_SPI_COND_GE - RSSCOPE_ATTR_PROTOCOL_SPI_TRIGGER_POSITION_CONDITION Help changed ("Greather Than", "")</p> <p>- rscope_rngSPIPositionCondition.RSSCOPE_VAL_SPI_COND_GE - RSSCOPE_ATTR_PROTOCOL_SPI_TRIGGER_POSITION_CONDITION Description changed (">=", "Greather Than")</p> <p>- rscope_rngSPIPositionCondition.RSSCOPE_VAL_SPI_COND_RAN - RSSCOPE_ATTR_PROTOCOL_SPI_TRIGGER_POSITION_CONDITION</p> |

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| Revision | Date | Note |
| | | <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>- 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>- RsScope_rngManchesterNRZThresholdPreset.RSSCOPE_VAL_MANCHESTER_NRZ_THRESHOLD_V2 - RSSCOPE_ATTR_PROTOCOL_MANCHESTER_THRESHOLD_PRESET, RSSCOPE_ATTR_PROTOCOL_NRZ_THRESHOLD_PRESET</p> <p>Description changed ("2 V", "V2")</p> <p>- RsScope_rngManchesterNRZThresholdPreset.RSSCOPE_VAL_MANCHESTER_NRZ_THRESHOLD_V5 - RSSCOPE_ATTR_PROTOCOL_MANCHESTER_THRESHOLD_PRESET, RSSCOPE_ATTR_PROTOCOL_NRZ_THRESHOLD_PRESET</p> <p>Description changed ("5 V", "V5")</p> <p>- RsScope_rngManchesterNRZThresholdPreset.RSSCOPE_VAL_MANCHESTER_NRZ_THRESHOLD_V7 - RSSCOPE_ATTR_PROTOCOL_MANCHESTER_THRESHOLD_PRESET, RSSCOPE_ATTR_PROTOCOL_NRZ_THRESHOLD_PRESET</p> <p>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>Description changed ("In Range", "In range")</p> |

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| 2.70.0 | 11/2015 | <ul style="list-style-type: none"> * Support for RTO & RTE version 2.70 * New Subsystems <ul style="list-style-type: none"> - Search Subsystem in LIN protocol - Search Subsystem in I2C protocol - 8B10B - SENT - Manchester NRZ * New: <ul style="list-style-type: none"> - rscope_ProbeUseAutoZero - rscope_ConfigureProbeZeroAdjustValue - rscope_ProbeSaveToProbe - rscope_ConfigureSerialBusSource - rscope_ConfigureEventTrigger - rscope_ConfigureDisplayMessage - rscope_ConfigureCursorThreshold - rscope_ConfigureSpectrumPeakExcursion - rscope_FetchSpectrumHarmonicsResultsNumber * Modified: <ul style="list-style-type: none"> - rscope_ConfigureTimeBase - scale range changed - rscope_ConfigureAcquisitionTime - tange changed - rscope_ConfigureChannelBandwidth - Some values removed - rscope_ConfigureProbeAttenuation - attenuation range changed - rscope_ConfigureProbeGain - default value changed - rscope_ConfigureCurrentProbePredefined - ZC30 added - rscope_ConfigureCurrentTriggerInputProbePredefined - ZC30 added - rscope_ConfigureIntervalTriggerSource - command changed for polarity - rscope_ConfigureSerialBusTriggerSource - new protocols - rscope_ConfigureJitterClockMeasurementCycleOffset - command changed - rscope_ConfigureSpectrumSettings - noise reject command changed - rscope_ConfigureGateDefinitionStartStop - another attributes used - rscope_ConfigureIntervalTriggerSearch - command changed for polarity - rscope_ConfigureCANSamplePointAbsolute - ranges changed - rscope_ConfigureFFTMagnitude - new units - rscope_ConfigureFFTGateDefinitionStartStop - another attributes used - rscope_PowerRippleSettings - frequency range changed - rscope_TransientResponseTrigger - level range changed - rscope_TransientResponseSettings - signal, tube tolerance range changed - rscope_ConfigureCDRSoftware - bit range minimum changed |

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| | | <p>* New attributes:</p> <ul style="list-style-type: none"> - RSSCOPE_ATTR_PROBE_DEGAUSS (Probe Degauss) - RSSCOPE_ATTR_PROBE_USE_AUTO_ZERO (Probe Use Auto Zero) - RSSCOPE_ATTR_PROBE_ZERO_ADJUST_VALUE (Probe Zero Adjust Value) - RSSCOPE_ATTR_PROBE_SAVE_TO_PROBE (Probe Save To Probe) - RSSCOPE_ATTR_TRIGGER_SERIAL_BUS_SOURCE (Trigger Serial Bus Source) - RSSCOPE_ATTR_TRIGGER_EVENT_BEEP (Trigger Event Beep) - RSSCOPE_ATTR_TRIGGER_EVENT_PRINT (Trigger Event Print) - RSSCOPE_ATTR_TRIGGER_EVENT_SAVE_WAVEFORM (Trigger Event Save Waveform) - RSSCOPE_ATTR_MANCHESTER_NRZ_TRIGGER_TYPE (Manchester NRZ Trigger Type) - RSSCOPE_ATTR_MANCHESTER_NRZ_TRIGGER_DATA_PATTERN (Manchester NRZ Trigger Data Pattern) - RSSCOPE_ATTR_MANCHESTER_NRZ_TRIGGER_INDEX_CONDITION (Manchester NRZ Trigger Index Condition) - RSSCOPE_ATTR_MANCHESTER_NRZ_TRIGGER_INDEX_MIN (Manchester NRZ Trigger Index Min) - RSSCOPE_ATTR_MANCHESTER_NRZ_TRIGGER_INDEX_MAX (Manchester NRZ Trigger Index Max) - RSSCOPE_ATTR_NRZ_TRIGGER_WORD_LENGTH (NRZ Trigger Word Length) - RSSCOPE_ATTR_SENT_TRIGGER_TYPE (SENT Trigger Type) - RSSCOPE_ATTR_SENT_TRIGGER_TRANSMISSION_SEQUENCE_TYPE (SENT Trigger Transmission Sequence Type) - RSSCOPE_ATTR_SENT_TRIGGER_TRANSMISSION_SEQUENCE_STATUS (SENT Trigger Transmission Sequence Status) - RSSCOPE_ATTR_SENT_TRIGGER_TRANSMISSION_SEQUENCE_CONDITION (SENT Trigger Transmission Sequence Condition) - RSSCOPE_ATTR_SENT_TRIGGER_TRANSMISSION_SEQUENCE_DATA_MIN (SENT Trigger Transmission Sequence Data Min) - RSSCOPE_ATTR_SENT_TRIGGER_TRANSMISSION_SEQUENCE_DATA_MAX (SENT Trigger Transmission Sequence Data Max) - RSSCOPE_ATTR_SENT_TRIGGER_SERIAL_MESSAGE_TYPE (SENT Trigger Serial Message Type) - RSSCOPE_ATTR_SENT_TRIGGER_SERIAL_MESSAGE_ID_TYPE (SENT Trigger Serial Message ID Type) - RSSCOPE_ATTR_SENT_TRIGGER_SERIAL_MESSAGE_ID_CONDITION (SENT Trigger Serial Message ID Condition) - RSSCOPE_ATTR_SENT_TRIGGER_SERIAL_MESSAGE_ID_MIN (SENT Trigger Serial Message ID Min) - RSSCOPE_ATTR_SENT_TRIGGER_SERIAL_MESSAGE_ID_MAX (SENT Trigger Serial Message ID Max) - RSSCOPE_ATTR_SENT_TRIGGER_SERIAL_MESSAGE_DATA_CONDITION (SENT Trigger Serial Message Data Condition) - RSSCOPE_ATTR_SENT_TRIGGER_SERIAL_MESSAGE_DATA_MIN (SENT Trigger Serial Message Data Min) - RSSCOPE_ATTR_SENT_TRIGGER_SERIAL_MESSAGE_DATA_MAX (SENT Trigger Serial Message |

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| | | Data Max) <ul style="list-style-type: none"> - RSSCOPE_ATTR_PROTOCOL_SENT_TRIGGER_FORM_ERROR (Protocol SENT Trigger Form Error) - RSSCOPE_ATTR_PROTOCOL_SENT_TRIGGER_CALIBRATION_PULSE_ERROR (Protocol SENT Trigger Calibration Pulse Error) - RSSCOPE_ATTR_PROTOCOL_SENT_TRIGGER_PULSE_PERIOD_ERROR (Protocol SENT Trigger Pulse Period Error) - RSSCOPE_ATTR_PROTOCOL_SENT_TRIGGER_CRC_ERROR (Protocol SENT Trigger CRC Error) - RSSCOPE_ATTR_PROTOCOL_SENT_TRIGGER_IRREGULAR_FRAME_LENGTH_ERROR (Protocol SENT Trigger Irregular Frame Length Error) - RSSCOPE_ATTR_CURSOR_THRESHOLD (Cursor Threshold) - RSSCOPE_ATTR_SPECTRUM_PEAK_EXCURSION (Spectrum Peak Excursion) - RSSCOPE_ATTR_STATISTICS_NUMBER_OF_BINS (Statistics Number Of Bins) - RSSCOPE_ATTR_SPECTRUM_MEASUREMENT_HARMONICS_RESULTS_NUMBER (Spectrum Measurement Harmonics Results Number) - RSSCOPE_ATTR_SEARCH_I2C_MODE (Search I2C Mode) - RSSCOPE_ATTR_SEARCH_I2C_CRITERIA_START (Search I2C Criteria Start) - RSSCOPE_ATTR_SEARCH_I2C_CRITERIA_REPEATED_START (Search I2C Criteria Repeated Start) - RSSCOPE_ATTR_SEARCH_I2C_CRITERIA_STOP (Search I2C Criteria Stop) - RSSCOPE_ATTR_SEARCH_I2C_CRITERIA_NACK (Search I2C Criteria Nack) - RSSCOPE_ATTR_SEARCH_I2C_CRITERIA_ADDRESS (Search I2C Criteria Address) - RSSCOPE_ATTR_SEARCH_I2C_CRITERIA_ADDRESS_OR (Search I2C Criteria Address OR) - RSSCOPE_ATTR_SEARCH_I2C_CRITERIA_ADDRESS_DATA (Search I2C Criteria Address Data) - RSSCOPE_ATTR_SEARCH_I2C_ADRESS_NACK (Search I2C Adress Nack) - RSSCOPE_ATTR_SEARCH_I2C_DATA_WRITE_NACK (Search I2C Data Write Nack) - RSSCOPE_ATTR_SEARCH_I2C_DATA_READ_NACK (Search I2C Data Read Nack) - RSSCOPE_ATTR_SEARCH_I2C_ACCESS_BIT (Search I2C Access Bit) - RSSCOPE_ATTR_SEARCH_I2C_ADDRESS_TYPE (Search I2C Address Type) - RSSCOPE_ATTR_SEARCH_I2C_ADDRESS_CONDITION (Search I2C Address Condition) - RSSCOPE_ATTR_SEARCH_I2C_ADDRESS_MIN (Search I2C Address Min) - RSSCOPE_ATTR_SEARCH_I2C_ADDRESS_MAX (Search I2C Address Max) - RSSCOPE_ATTR_SEARCH_I2C_POSITION_CONDITION (Search I2C Position Condition) - RSSCOPE_ATTR_SEARCH_I2C_POSITION_MIN (Search I2C Position Min) - RSSCOPE_ATTR_SEARCH_I2C_POSITION_MAX (Search I2C Position Max) - RSSCOPE_ATTR_SEARCH_I2C_DATA_CONDITION (Search I2C Data Condition) - RSSCOPE_ATTR_SEARCH_I2C_PATTERN_MIN (Search I2C Pattern Min) - RSSCOPE_ATTR_SEARCH_I2C_PATTERN_MAX (Search I2C Pattern Max) - RSSCOPE_ATTR_SEARCH_I2C_ADDRESS_OR_STATE (Search I2C Address OR State) - RSSCOPE_ATTR_SEARCH_I2C_ADDRESS_OR_TYPE (Search I2C Address OR Type) - RSSCOPE_ATTR_SEARCH_I2C_ADDRESS_OR_ACCESS_BIT (Search I2C Address OR Access Bit) - RSSCOPE_ATTR_SEARCH_I2C_ADDRESS_OR (Search I2C Address OR) - RSSCOPE_ATTR_SEARCH_I2C_FRAME_COUNT (Search I2C Frame Count) |

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| | | <ul style="list-style-type: none"> - RSSCOPE_ATTR_SEARCH_LIN_MODE (Search LIN Mode) - RSSCOPE_ATTR_SEARCH_LIN_CRITERIA_START_OF_FRAME (Search LIN Criteria Start Of Frame) - RSSCOPE_ATTR_SEARCH_LIN_CRITERIA_IDENTIFIER (Search LIN Criteria Identifier) - RSSCOPE_ATTR_SEARCH_LIN_CRITERIA_IDENTIFIER_OR (Search LIN Criteria Identifier OR) - RSSCOPE_ATTR_SEARCH_LIN_CRITERIA_IDENTIFIER_DATA (Search LIN Criteria Identifier Data) - RSSCOPE_ATTR_SEARCH_LIN_CRITERIA_WAKEUP_FRAME (Search LIN Criteria Wakeup Frame) - RSSCOPE_ATTR_SEARCH_LIN_CRITERIA_ERROR_CONDITION (Search LIN Criteria Error Condition) - RSSCOPE_ATTR_SEARCH_LIN_CONDITION_DATA (Search LIN Condition Data) - RSSCOPE_ATTR_SEARCH_LIN_PATTERN_DATA_MIN (Search LIN Pattern Data Min) - RSSCOPE_ATTR_SEARCH_LIN_PATTERN_DATA_MAX (Search LIN Pattern Data Max) - RSSCOPE_ATTR_SEARCH_LIN_DATA_LENGTH_CONDITION (Search LIN Data Length Condition) - RSSCOPE_ATTR_SEARCH_LIN_DATA_LENGTH (Search LIN Data Length) - RSSCOPE_ATTR_SEARCH_LIN_DATA_TRANSFER (Search LIN Data Transfer) - RSSCOPE_ATTR_SEARCH_LIN_IDENTIFIER_CONDITION (Search LIN Identifier Condition) - RSSCOPE_ATTR_SEARCH_LIN_PATTERN_IDENTIFIER_MIN (Search LIN Pattern Identifier Min) - RSSCOPE_ATTR_SEARCH_LIN_PATTERN_IDENTIFIER_MAX (Search LIN Pattern Identifier Max) - RSSCOPE_ATTR_SEARCH_LIN_ADDRESS_OR_STATE (Search LIN Address OR State) - RSSCOPE_ATTR_SEARCH_LIN_ADDRESS_OR (Search LIN Address OR) - RSSCOPE_ATTR_SEARCH_LIN_CHECKSUM_ERROR (Search LIN Checksum Error) - RSSCOPE_ATTR_SEARCH_LIN_CRC_ERROR_PATTERN (Search LIN CRC Error Pattern) - RSSCOPE_ATTR_SEARCH_LIN_CRC_ERROR_DATA_LENGTH (Search LIN CRC Error Data Length) - RSSCOPE_ATTR_SEARCH_LIN_CRC_STANDARD (Search LIN CRC Standard) - RSSCOPE_ATTR_SEARCH_LIN_IDENTIFIER_PARITY_ERROR (Search LIN Identifier Parity Error) - RSSCOPE_ATTR_SEARCH_LIN_SYNC_ERROR (Search LIN Sync Error) - RSSCOPE_ATTR_SEARCH_LIN_FRAME_COUNT (Search LIN Frame Count) - RSSCOPE_ATTR_SEARCH_EBTB_TYPE (Search EbTb Type) - RSSCOPE_ATTR_SEARCH_EBTB_DISPARITY_ERROR (Search EbTb Disparity Error) - RSSCOPE_ATTR_SEARCH_EBTB_GLITCHING_ERROR (Search EbTb Glitching Error) - RSSCOPE_ATTR_SEARCH_EBTB_UNKNOWN_SYMBOL_ERROR (Search EbTb Unknown Symbol Error) - RSSCOPE_ATTR_SEARCH_EBTB_SYMBOL_TYPE (Search EbTb Symbol Type) - RSSCOPE_ATTR_SEARCH_EBTB_SYMBOL_FORMAT (Search EbTb Symbol Format) - RSSCOPE_ATTR_SEARCH_EBTB_KD_CODE_SYMBOL (Search EbTb KD Code Symbol) - RSSCOPE_ATTR_SEARCH_EBTB_DX (Search EbTb Dx) - RSSCOPE_ATTR_SEARCH_EBTB_DY (Search EbTb Dy) - RSSCOPE_ATTR_SEARCH_EBTB_EIGHT_BIT_PATTERN (Search EBTB Eight Bit Pattern) - RSSCOPE_ATTR_SEARCH_EBTB_TEN_BIT_PATTERN (Search EBTB Ten Bit Pattern) - RSSCOPE_ATTR_SEARCH_EBTB_EXPRESSION (Search EBTB Expression) - RSSCOPE_ATTR_SEARCH_EBTB_SYMBOL_COUNT (Search EbTb Symbol Count) - RSSCOPE_ATTR_SEARCH_SENT_TYPE (Search SENT Type) |

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| Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for, C/C++, VEE, MATLAB®, etc. | | |
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| | | <ul style="list-style-type: none"> - RSSCOPE_ATTR_SEARCH_SENT_CALIBRATION_ENABLED (Search SENT Calibration Enabled) - RSSCOPE_ATTR_SEARCH_SENT_TRANSMISSION_SEQUENCE_ENABLED (Search SENT Transmission Sequence Enabled) - RSSCOPE_ATTR_SEARCH_SENT_TRANSMISSION_SEQUENCE_TYPE (Search SENT Transmission Sequence Type) - RSSCOPE_ATTR_SEARCH_SENT_TRANSMISSION_SEQUENCE_STATUS (Search SENT Transmission Sequence Status) - RSSCOPE_ATTR_SEARCH_SENT_TRANSMISSION_SEQUENCE_CONDITION (Search SENT Transmission Sequence Condition) - RSSCOPE_ATTR_SEARCH_SENT_TRANSMISSION_SEQUENCE_DATA_MIN (Search SENT Transmission Sequence Data Min) - RSSCOPE_ATTR_SEARCH_SENT_TRANSMISSION_SEQUENCE_DATA_MAX (Search SENT Transmission Sequence Data Max) - RSSCOPE_ATTR_SEARCH_SENT_SERIAL_MESSAGE_ENABLED (Search SENT Serial Message Enabled) - RSSCOPE_ATTR_SEARCH_SENT_SERIAL_MESSAGE_TYPE (Search SENT Serial Message Type) - RSSCOPE_ATTR_SEARCH_SENT_SERIAL_MESSAGE_ID_TYPE (Search SENT Serial Message ID Type) - RSSCOPE_ATTR_SEARCH_SENT_SERIAL_MESSAGE_ID_CONDITION (Search SENT Serial Message ID Condition) - RSSCOPE_ATTR_SEARCH_SENT_SERIAL_MESSAGE_ID_MIN (Search SENT Serial Message ID Min) - RSSCOPE_ATTR_SEARCH_SENT_SERIAL_MESSAGE_ID_MAX (Search SENT Serial Message ID Max) - RSSCOPE_ATTR_SEARCH_SENT_SERIAL_MESSAGE_DATA_CONDITION (Search SENT Serial Message Data Condition) - RSSCOPE_ATTR_SEARCH_SENT_SERIAL_MESSAGE_DATA_MIN (Search SENT Serial Message Data Min) - RSSCOPE_ATTR_SEARCH_SENT_SERIAL_MESSAGE_DATA_MAX (Search SENT Serial Message Data Max) - RSSCOPE_ATTR_SEARCH_SENT_ERROR_ENABLED (Search SENT Error Enabled) - RSSCOPE_ATTR_SEARCH_SENT_FORM_ERROR (Search SENT Form Error) - RSSCOPE_ATTR_SEARCH_SENT_CALIBRATION_PULSE_ERROR (Search SENT Calibration Pulse Error) - RSSCOPE_ATTR_SEARCH_SENT_PULSE_PERIOD_ERROR (Search SENT Pulse Period Error) - RSSCOPE_ATTR_SEARCH_SENT_CRC_ERROR (Search SENT CRC Error) - RSSCOPE_ATTR_SEARCH_SENT_IRREGULAR_FRAME_LENGTH_ERROR (Search SENT Irregular Frame Length Error) - RSSCOPE_ATTR_SEARCH_SENT_FRAME_COUNT (Search SENT Frame Count) - RSSCOPE_ATTR_PROTOCOL_MANCHESTER_NRZ_CODING_STANDARD (Protocol Manchester NRZ Coding Standard) - RSSCOPE_ATTR_PROTOCOL_MANCHESTER_NRZ_BITRATE_ENABLED (Protocol Manchester NRZ Bitrate Enabled) - RSSCOPE_ATTR_PROTOCOL_MANCHESTER_NRZ_BITRATE (Protocol Manchester NRZ Bitrate) - RSSCOPE_ATTR_PROTOCOL_MANCHESTER_NRZ_GAP_TIME_ENABLED (Protocol Manchester |

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| Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for, C/C++, VEE, MATLAB®, etc. | | |
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| | | NRZ Gap Time Enabled) <ul style="list-style-type: none"> - RSSCOPE_ATTR_PROTOCOL_MANCHESTER_NRZ_GAP_TIME (Protocol Manchester NRZ Gap Time) - RSSCOPE_ATTR_PROTOCOL_MANCHESTER_DATA_SOURCE (Protocol Manchester Data Source) - RSSCOPE_ATTR_PROTOCOL_MANCHESTER_POLARITY (Protocol Manchester Polarity) - RSSCOPE_ATTR_PROTOCOL_MANCHESTER_CLOCK_PHASE (Protocol Manchester Clock Phase) - RSSCOPE_ATTR_PROTOCOL_MANCHESTER_THRESHOLD_LOW (Protocol Manchester Threshold Low) - RSSCOPE_ATTR_PROTOCOL_MANCHESTER_THRESHOLD_HIGH (Protocol Manchester Threshold High) - RSSCOPE_ATTR_PROTOCOL_MANCHESTER_THRESHOLD_PRESET (Protocol Manchester Threshold Preset) - RSSCOPE_ATTR_PROTOCOL_MANCHESTER_THRESHOLD_COUPLING (Protocol Manchester Threshold Coupling) - RSSCOPE_ATTR_PROTOCOL_NRZ_DATA_SOURCE (Protocol NRZ Data Source) - RSSCOPE_ATTR_PROTOCOL_NRZ_CLOCK_SOURCE (Protocol NRZ Clock Source) - RSSCOPE_ATTR_PROTOCOL_NRZ_POLARITY (Protocol NRZ Polarity) - RSSCOPE_ATTR_PROTOCOL_NRZ_IDLE_POLARITY_UNCLOCKED (Protocol NRZ Idle Polarity Unclocked) - RSSCOPE_ATTR_PROTOCOL_NRZ_IDLE_POLARITY_CLOCKED (Protocol NRZ Idle Polarity Clocked) - RSSCOPE_ATTR_PROTOCOL_NRZ_CLOCK_PHASE (Protocol NRZ Clock Phase) - RSSCOPE_ATTR_PROTOCOL_NRZ_THRESHOLD_CLOCK (Protocol NRZ Threshold Clock) - RSSCOPE_ATTR_PROTOCOL_NRZ_THRESHOLD_DATA (Protocol NRZ Threshold Data) - RSSCOPE_ATTR_PROTOCOL_NRZ_THRESHOLD_PRESET (Protocol NRZ Threshold Preset) - RSSCOPE_ATTR_PROTOCOL_NRZ_THRESHOLD_COUPLING (Protocol NRZ Threshold Coupling) - RSSCOPE_ATTR_PROTOCOL_MANCHESTER_NRZ_SELECTED_FRAME (Protocol Manchester NRZ Selected Frame) - RSSCOPE_ATTR_PROTOCOL_MANCHESTER_NRZ_FRAME_COUNT (Protocol Manchester NRZ Frame Count) - RSSCOPE_ATTR_PROTOCOL_MANCHESTER_NRZ_FRAME_TYPE (Protocol Manchester NRZ Frame Type) - RSSCOPE_ATTR_PROTOCOL_MANCHESTER_NRZ_ADD_FRAME (Protocol Manchester NRZ Add Frame) - RSSCOPE_ATTR_PROTOCOL_MANCHESTER_NRZ_FRAME_CLEAR (Protocol Manchester NRZ Frame Clear) - RSSCOPE_ATTR_PROTOCOL_MANCHESTER_NRZ_FRAME_OPEN_DESCRIPTION (Protocol Manchester NRZ Frame Open Description) - RSSCOPE_ATTR_PROTOCOL_MANCHESTER_NRZ_FRAME_SAVE_DESCRIPTION (Protocol Manchester NRZ Frame Save Description) - RSSCOPE_ATTR_PROTOCOL_MANCHESTER_NRZ_SELECTED_CELL (Protocol Manchester NRZ Selected Cell) - RSSCOPE_ATTR_PROTOCOL_MANCHESTER_NRZ_CELL_COUNT (Protocol Manchester NRZ Cell Count) - RSSCOPE_ATTR_PROTOCOL_MANCHESTER_NRZ_ADD_CELL (Protocol Manchester NRZ Add |

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| Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for, C/C++, VEE, MATLAB®, etc. | | |
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| | | Cell) <ul style="list-style-type: none"> - RSSCOPE_ATTR_PROTOCOL_MANCHESTER_NRZ_CELL_NAME (Protocol Manchester NRZ Cell Name) - RSSCOPE_ATTR_PROTOCOL_MANCHESTER_NRZ_CELL_BIT_COUNT (Protocol Manchester NRZ Cell Bit Count) - RSSCOPE_ATTR_PROTOCOL_MANCHESTER_NRZ_CELL_CONDITION (Protocol Manchester NRZ Cell Condition) - RSSCOPE_ATTR_PROTOCOL_MANCHESTER_NRZ_CELL_FORMAT (Protocol Manchester NRZ Cell Format) - RSSCOPE_ATTR_PROTOCOL_MANCHESTER_NRZ_CELL_BIT_ORDER (Protocol Manchester NRZ Cell Bit Order) - RSSCOPE_ATTR_PROTOCOL_MANCHESTER_NRZ_CELL_COLOR (Protocol Manchester NRZ Cell Color) - RSSCOPE_ATTR_PROTOCOL_MANCHESTER_NRZ_CELL_RESULT_COLUMN (Protocol Manchester NRZ Cell Result Column) - RSSCOPE_ATTR_PROTOCOL_MANCHESTER_NRZ_RESULT_COUNT (Protocol Manchester NRZ Result Count) - RSSCOPE_ATTR_PROTOCOLS_EBTB_SIGNAL_TYPE (Protocols EbTb Signal Type) - RSSCOPE_ATTR_PROTOCOLS_EBTB_DIFFERENTIAL_SOURCE (Protocols EbTb Differential Source) - RSSCOPE_ATTR_PROTOCOLS_EBTB_D_PLUS_SOURCE (Protocols EbTb D Plus Source) - RSSCOPE_ATTR_PROTOCOLS_EBTB_D_MINUS_SOURCE (Protocols EbTb D Minus Source) - RSSCOPE_ATTR_PROTOCOLS_EBTB_FULL_AUTOSET (Protocols EbTb Full Autoselect) - RSSCOPE_ATTR_PROTOCOLS_EBTB_DIFFERENTIAL_THRESHOLD_HIGH (Protocols EbTb Differential Threshold High) - RSSCOPE_ATTR_PROTOCOLS_EBTB_DIFFERENTIAL_THRESHOLD_LOW (Protocols EbTb Differential Threshold Low) - RSSCOPE_ATTR_PROTOCOLS_EBTB_THRESHOLD_D_PLUS (Protocols EbTb Threshold D Plus) - RSSCOPE_ATTR_PROTOCOLS_EBTB_THRESHOLD_D_MINUS (Protocols EbTb Threshold D Minus) - RSSCOPE_ATTR_PROTOCOLS_EBTB_BITRATE (Protocols EbTb Bitrate) - RSSCOPE_ATTR_PROTOCOLS_EBTB_BITRATE_DETERMINATION (Protocols EbTb Bitrate Determination) - RSSCOPE_ATTR_PROTOCOLS_EBTB_SW_CDR_BITRATE (Protocols EbTb SW CDR Bitrate) - RSSCOPE_ATTR_PROTOCOLS_EBTB_SYNC_SYMBOL (Protocols EbTb Sync Symbol) - RSSCOPE_ATTR_PROTOCOLS_EBTB_PATTERN (Protocols EbTb Pattern) - RSSCOPE_ATTR_PROTOCOLS_EBTB_SECOND_PATTERN_ENABLED (Protocols EbTb Second Pattern Enabled) - RSSCOPE_ATTR_PROTOCOLS_EBTB_SECOND_PATTERN (Protocols EbTb Second Pattern) - RSSCOPE_ATTR_PROTOCOLS_EBTB_DISPLAY_FORMAT (Protocols EbTb Display Format) - RSSCOPE_ATTR_PROTOCOL_EBTB_SYMBOL_COUNT (Protocol EbTb Symbol Count) - RSSCOPE_ATTR_PROTOCOL_SENT_DATA_SOURCE (Protocol SENT Data Source) - RSSCOPE_ATTR_PROTOCOL_SENT_THRESHOLD (Protocol SENT Threshold) - RSSCOPE_ATTR_PROTOCOL_SENT_TECHNOLOGY (Protocol SENT Technology) - RSSCOPE_ATTR_PROTOCOL_SENT_CLOCK_PERIOD (Protocol SENT Clock Period) |

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| Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for, C/C++, VEE, MATLAB®, etc. | | |
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| | | <ul style="list-style-type: none"> - RSSCOPE_ATTR_PROTOCOL_SENT_CLOCK_TOLERANCE (Protocol SENT Clock Tolerance) - RSSCOPE_ATTR_PROTOCOL_SENT_DATA_NIBBLES (Protocol SENT Data Nibbles) - RSSCOPE_ATTR_PROTOCOL_SENT_SERIAL_FORMAT (Protocol SENT Serial Format) - RSSCOPE_ATTR_PROTOCOL_SENT_CRC_VERSION (Protocol SENT CRC Version) - RSSCOPE_ATTR_PROTOCOL_SENT_CRC_CALCULATION (Protocol SENT CRC Calculation) - RSSCOPE_ATTR_PROTOCOL_SENT_PAUSE_PULSE (Protocol SENT Pause Pulse) - RSSCOPE_ATTR_PROTOCOL_SENT_FRAME_LENGTH (Protocol SENT Frame Length) - RSSCOPE_ATTR_PROTOCOL_SENT_RESULT_DISPLAY (Protocol SENT Result Display) - RSSCOPE_ATTR_PROTOCOL_SENT_FRAME_COUNT (Protocol SENT Frame Count) - RSSCOPE_ATTR_DISPLAY_MESSAGE_ENABLED (Display Message Enabled) - RSSCOPE_ATTR_DISPLAY_MESSAGE_TEXT (Display Message Text) - RSSCOPE_ATTR_PROCESS_ALL_PREVIOUS_COMMANDS (Process All Previous Commands) <p>* Deleted attributes:</p> <ul style="list-style-type: none"> - RSSCOPE_ATTR_STOP_COMMAND_PROCESSING (Stop Command Processing) <p>* Modified attributes:</p> <ul style="list-style-type: none"> - RSSCOPE_ATTR_HORZ_TIME_PER_RECORD (Horizontal Time Per Record) - Range changed. - RSSCOPE_ATTR_HORZ_SCALE (Horizontal Scale) - Range changed. - RSSCOPE_ATTR_PROBE_ATTENUATION_MANUAL (Probe Attenuation Manual) - Range changed. - RSSCOPE_ATTR_PROBE_GAIN_MANUAL (Probe Gain Manual) - Changed default - RSSCOPE_ATTR_PROBE_PREDEFINED_CURRENT_PROBE (Probe Predefined Current Probe) - ZC30 added. - RSSCOPE_ATTR_CHANNEL_BANDWIDTH_LIMIT (Channel Bandwidth Limit) - Values removed. - RSSCOPE_ATTR_INTERVAL_POLARITY (Interval Polarity) - Command changed - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_TYPE (Protocol USB Trigger Type) - Reset command string changed. - RSSCOPE_ATTR_JITTER_CLOCK_MEASUREMENT_CYCLE_OFFSET (Jitter Clock Measurement Cycle Offset) - Command changed from MEASurement:JITTer:COFFset - RSSCOPE_ATTR_SPECTRUM_NOISE_REJECT (Spectrum Noise Reject) - Changed command form NRE to THR. - RSSCOPE_ATTR_SPECTRUM_PEAK_EXCURSION (Spectrum Peak Excursion) - Changed command form NRE to THR. - RSSCOPE_ATTR_GATING_RELATIVE_START (Gating Relative Start) - Range added. - RSSCOPE_ATTR_GATING_RELATIVE_STOP (Gating Relative Stop) - Range changed. - RSSCOPE_ATTR_FFT_MAGNITUDE_UNIT (FFT Magnitude Unit) - New values. - RSSCOPE_ATTR_FFT_GATE_RELATIVE_START (FFT Gate Relative Start) - Range added. - RSSCOPE_ATTR_FFT_GATE_RELATIVE_STOP (FFT Gate Relative Stop) - Range added. - RSSCOPE_ATTR_SEARCH_TRIGGER_INTERVAL_POLARITY (Search Trigger Interval Polarity) - Command changed. - RSSCOPE_ATTR_SEARCH_CAN_START_OF_FRAME_ENABLED (Search CAN Start Of Frame Enabled) - Command long form updated. |

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| Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for, C/C++, VEE, MATLAB®, etc. | | |
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| | | <ul style="list-style-type: none"> - RSSCOPE_ATTR_SEARCH_FLEXRAY_START_OF_FRAME_ENABLED (Search FlexRay Start Of Frame Enabled) - Command long form updated. - RSSCOPE_ATTR_PROTOCOL_TYPE (Protocol Type) - New values. - RSSCOPE_ATTR_PROTOCOL_CAN_SAMPLE_POINT_ABS (Protocol CAN Sample Point Abs) - Range added. - RSSCOPE_ATTR_POWER_RIPPLE_FREQUENCY (Power Ripple Frequency) - Range changed - RSSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_TRIGGER_LEVEL (Transient Response Trigger Level) - Changed range. - RSSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_TUBE_TOLERANCE (Transient Response Tube Tolerance) - Min changed. - RSSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_SIGNAL_HIGH (Transient Response Signal High) - Range changed - RSSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_SIGNAL_LOW (Transient Response Signal Low) - Range changed. - RSSCOPE_ATTR_CDR_SOFTWARE_BIT_RATE (CDR Software Bit Rate) - Min changed. <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_rngChannelBWLlimit - 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_SCALEDBGHZ, RSSCOPE_VAL_SCALE_DBA, RSSCOPE_VAL_SCALE_DBMA, RSSCOPE_VAL_SCALE_DBUA - rscope_rngProtocolType - RSSCOPE_ATTR_PROTOCOL_TYPE New items: RSSCOPE_VAL_CMSB, RSSCOPE_VAL_EBTB, RSSCOPE_VAL_SENT - rscope_rngAttenuation - RSSCOPE_ATTR_PROBE_ATTENUATION_MANUAL, RSSCOPE_ATTR_TRIGGER_PROBE_ATTENUATION_MANUAL Range changed to <100.0e-6;10000.0> - rscope_rngProbePredefinedCurrent - RSSCOPE_ATTR_PROBE_PREDEFINED_CURRENT_PROBE, RSSCOPE_ATTR_TRIGGER_PROBE_PREDEFINED_CURRENT_PROBE New items: RSSCOPE_VAL_PROBE_ZC30 - rscope_rngCDRBitRate - RSSCOPE_ATTR_CDR_SOFTWARE_BIT_RATE Range changed to <100;5e+9> - RsScope_rngPowerSwitchingFrequency - RSSCOPE_ATTR_POWER_RIPPLE_FREQUENCY, |

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| | | <p>RSSCOPE_ATTR_POWER_SPECTRUM_FREQUENCY, RSSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_FREQUENCY</p> <p style="padding-left: 40px;">Range changed to <1.0;100.0e+9></p> <p>- RsScope_rngTransientResponseTubeTolerance - RSSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_TUBE_TOLERANCE</p> <p style="padding-left: 40px;">Range changed to <0;50></p> <p>- RsScope_rngTransientResponseSignal - RSSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_SIGNAL_HIGH, RSSCOPE_ATTR_POWER_TRANSIENT_RESPONSE_SIGNAL_LOW</p> <p style="padding-left: 40px;">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</p> <p style="padding-left: 40px;">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</p> <p style="padding-left: 40px;">Command changed ("RST", "RESet")</p> |
| 2.45.0 | 04/2015 | <p>* Support for RTO & RTE version 2.45</p> <p>* New Subsystems</p> <ul style="list-style-type: none"> - High Definition - Search Subsystem in MIL1553 protocol - Search Subsystem in ARINC 429 protocol - RFFE - MDIO - Ethernet - USB <p>* New:</p> <ul style="list-style-type: none"> - rscope_ConfigureAutoAdjustment - rscope_ConfigureBusDataFormat - rscope_ConfigureBusLabelListFile - rscope_ConfigureCANFD - rscope_ConfigureCANTriggerStandard - rscope_ConfigureCANTriggerFDBits - rscope_ConfigureCANTriggerDataPosition - rscope_ConfigureCANSymbolicTriggerMessage - rscope_ConfigureCANSymbolicTriggerSignal - rscope_ConfigureCANSymbolicTriggerSignalEnumValue - rscope_QueryCANFrameFDStandard |

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| Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for, C/C++, VEE, MATLAB®, etc. | | |
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| | | <ul style="list-style-type: none"> - rscope_QueryCANFrameAllSymbolicData - rscope_ConfigureCANSearchSymbolic - rscope_ConfigureCANSearchStandard - rscope_ConfigureCANSearchFDBits - rscope_ConfigureCANSearchDataPosition - rscope_ConfigureCANSymbolicSearchMessage - rscope_ConfigureCANSymbolicSearchSignal - rscope_ConfigureCANSymbolicSearchSignalEnumValue - rscope_QueryCANSearchFrameSymbolicData - rscope_ConfigureMIL1553TriggerDataRTAPattern - rscope_ConfigureMIL1553TriggerCommandRTAPattern - rscope_ConfigureHardcopyWhiteBackground - rscope_QueryMSODigitalResolution - rscope_ByteOrder - rscope_ConfigureSavesetPreviewImage - rscope_QueryI2CFrameDataByteAcknowledgeBitStart - rscope_ConfigureHardcopyInverseColors - rscope_ConfigureHardcopyPrintColorSet - rscope_PowerRippleCurrent - rscope_PowerSafeOperatingAreaSwitch - RSSCOPE_ATTR_ACQUISITION_AUTO_ADJUSTMENT (Acquisition Auto Adjustment) - RSSCOPE_ATTR_HIGH_DEFINITION_ENABLED (High Definition Enabled) - RSSCOPE_ATTR_HIGH_DEFINITION_BANDWIDTH (High Definition Bandwidth) - RSSCOPE_ATTR_HIGH_DEFINITION_RESOLUTION (High Definition Resolution) - RSSCOPE_ATTR_PROTOCOL_CAN_TRIGGER_STANDARD (Protocol CAN Trigger Standard) - RSSCOPE_ATTR_PROTOCOL_CAN_TRIGGER_FD_BITS_FDF (Protocol CAN Trigger FD Bits FDF) - RSSCOPE_ATTR_PROTOCOL_CAN_TRIGGER_FD_BITS_BRS (Protocol CAN Trigger FD Bits BRS) - RSSCOPE_ATTR_PROTOCOL_CAN_TRIGGER_FD_BITS_ESI (Protocol CAN Trigger FD Bits ESI) - RSSCOPE_ATTR_PROTOCOL_CAN_TRIGGER_POSITION_CONDITION (Protocol CAN Trigger Position Condition) - RSSCOPE_ATTR_PROTOCOL_CAN_TRIGGER_POSITION_MIN (Protocol CAN Trigger Position Min) - RSSCOPE_ATTR_PROTOCOL_CAN_TRIGGER_POSITION_MAX (Protocol CAN Trigger Position Max) - RSSCOPE_ATTR_PROTOCOL_CAN_SYMBOLIC_TRIGGER_MESSAGE (Protocol CAN Symbolic Trigger Message) - RSSCOPE_ATTR_PROTOCOL_CAN_SYMBOLIC_TRIGGER_ON_SIGNAL (Protocol CAN Symbolic Trigger On Signal) - RSSCOPE_ATTR_PROTOCOL_CAN_SYMBOLIC_TRIGGER_SIGNAL_VALUE (Protocol CAN Symbolic Trigger Signal Value) - RSSCOPE_ATTR_PROTOCOL_CAN_SYMBOLIC_TRIGGER_SIGNAL_MIN (Protocol CAN Symbolic Trigger Signal Min) - RSSCOPE_ATTR_PROTOCOL_CAN_SYMBOLIC_TRIGGER_SIGNAL_MAX (Protocol CAN Symbolic |

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| | | Trigger Signal Max) - RSCOPE_ATTR_PROTOCOL_CAN_SYMBOLIC_TRIGGER_SIGNAL_ENUM_VALUE (Protocol CAN Symbolic Trigger Signal Enum Value) - RSCOPE_ATTR_PROTOCOL_MIL1553_TRIGGER_RTA_DATA_PATTERN_CONDITION (Protocol MIL1553 Trigger RTA Data Pattern Condition) - RSCOPE_ATTR_PROTOCOL_MIL1553_TRIGGER_RTA_DATA_PATTERN_MIN (Protocol MIL1553 Trigger RTA Data Pattern Min) - RSCOPE_ATTR_PROTOCOL_MIL1553_TRIGGER_RTA_DATA_PATTERN_MAX (Protocol MIL1553 Trigger RTA Data Pattern Max) - RSCOPE_ATTR_PROTOCOL_MIL1553_TRIGGER_COMMAND_RTA_PATTERN_CONDITION (Protocol MIL1553 Trigger Command RTA Pattern Condition) - RSCOPE_ATTR_PROTOCOL_MIL1553_TRIGGER_COMMAND_RTA_PATTERN_MIN (Protocol MIL1553 Trigger Command RTA Pattern Min) - RSCOPE_ATTR_PROTOCOL_MIL1553_TRIGGER_COMMAND_RTA_PATTERN_MAX (Protocol MIL1553 Trigger Command RTA Pattern Max) - RSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_TYPE (Protocol RFFE Trigger Type) - RSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_SLAVE_CONDITION (Protocol RFFE Trigger Slave Condition) - RSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_SLAVE_MIN (Protocol RFFE Trigger Slave Min) - RSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_SLAVE_MAX (Protocol RFFE Trigger Slave Max) - RSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_ADDRESS_CONDITION (Protocol RFFE Trigger Address Condition) - RSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_ADDRESS_MIN (Protocol RFFE Trigger Address Min) - RSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_ADDRESS_MAX (Protocol RFFE Trigger Address Max) - RSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_BYTE_COUNT_CONDITION (Protocol RFFE Trigger Byte Count Condition) - RSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_BYTE_COUNT_MIN (Protocol RFFE Trigger Byte Count Min) - RSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_BYTE_COUNT_MAX (Protocol RFFE Trigger Byte Count Max) - RSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_DATA_CONDITION (Protocol RFFE Trigger Data Condition) - RSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_DATA_MIN (Protocol RFFE Trigger Data Min) - RSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_DATA_MAX (Protocol RFFE Trigger Data Max) - RSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_INDEX_CONDITION (Protocol RFFE Trigger Index Condition) - RSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_INDEX_MIN (Protocol RFFE Trigger Index Min) - RSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_INDEX_MAX (Protocol RFFE Trigger Index Max) - RSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_ERROR_SCC (Protocol RFFE Trigger Error SCC) - RSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_ERROR_LENGTH (Protocol RFFE Trigger Error Length) - RSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_ERROR_BUS_PARK (Protocol RFFE Trigger Error Bus Park) |

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| Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for, C/C++, VEE, MATLAB®, etc. | | |
| Revision | Date | Note |
| | | <ul style="list-style-type: none"> - RSSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_ERROR_PARITY (Protocol RFFE Trigger Error Parity) - RSSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_ERROR_NO_RESPONSE (Protocol RFFE Trigger Error No Response) - RSSCOPE_ATTR_PROTOCOL_RFFE_TRIGGER_ERROR_UNKNOWN (Protocol RFFE Trigger Error Unknown) - RSSCOPE_ATTR_PROTOCOL_MDIO_TRIGGER_TYPE (Protocol MDIO Trigger Type) - RSSCOPE_ATTR_PROTOCOL_MDIO_TRIGGER_START_CODE (Protocol MDIO Trigger Start Code) - RSSCOPE_ATTR_PROTOCOL_MDIO_TRIGGER_OPERATION_CODE (Protocol MDIO Trigger Operation Code) - RSSCOPE_ATTR_PROTOCOL_MDIO_TRIGGER_PHYSICAL_PORT_ADDRESS (Protocol MDIO Trigger Physical Port Address) - RSSCOPE_ATTR_PROTOCOL_MDIO_TRIGGER_REGISTER_DEVICE_ADDRESS (Protocol MDIO Trigger Register Device Address) - RSSCOPE_ATTR_PROTOCOL_MDIO_TRIGGER_DATA_ADDRESS_PATTERN (Protocol MDIO Trigger Data Address Pattern) - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_TYPE (Protocol USB Trigger Type) - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_TOKEN (Protocol USB Trigger Token) - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_DATA_TYPE (Protocol USB Trigger Data Type) - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_HANDSHAKE (Protocol USB Trigger Handshake) - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_SPECIAL_PID (Protocol USB Trigger Special PID) - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_ERROR_CONDITION (Protocol USB Trigger Error Condition) - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_PID_ERROR_CHECK (Protocol USB Trigger PID Error Check) - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_END_POINT_CHECK (Protocol USB Trigger End Point Check) - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_END_POINT_CHECK_CONDITION (Protocol USB Trigger End Point Check Condition) - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_END_POINT_CHECK_MIN (Protocol USB Trigger End Point Check Min) - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_END_POINT_CHECK_MAX (Protocol USB Trigger End Point Check Max) - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_ADDRESS_CHECK (Protocol USB Trigger Address Check) - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_ADDRESS_CHECK_CONDITION (Protocol USB Trigger Address Check Condition) - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_ADDRESS_CHECK_MIN (Protocol USB Trigger Address Check Min) - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_ADDRESS_CHECK_MAX (Protocol USB Trigger Address Check Max) - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_PAYLOAD_CHECK (Protocol USB Trigger Payload Check) - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_PAYLOAD_CHECK_CONDITION (Protocol USB Trigger Payload Check Condition) |

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| Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for, C/C++, VEE, MATLAB®, etc. | | |
| Revision | Date | Note |
| | | <ul style="list-style-type: none"> - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_PAYLOAD_CHECK_POSITION (Protocol USB Trigger Payload Check Position) - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_PAYLOAD_CHECK_DATA_CONDITION (Protocol USB Trigger Payload Check Data Condition) - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_PAYLOAD_CHECK_PATTERN (Protocol USB Trigger Payload Check Pattern) - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_FRAME_CHECK (Protocol USB Trigger Frame Check) - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_FRAME_CHECK_CONDITION (Protocol USB Trigger Frame Check Condition) - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_FRAME_CHECK_MIN (Protocol USB Trigger Frame Check Min) - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_FRAME_CHECK_MAX (Protocol USB Trigger Frame Check Max) - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_SC_CHECK (Protocol USB Trigger SC Check) - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_SC_CHECK_START_COMPLETE (Protocol USB Trigger SC Check Start Complete) - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_PORT_CHECK (Protocol USB Trigger Port Check) - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_PORT_CHECK_CONDITION (Protocol USB Trigger Port Check Condition) - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_PORT_CHECK_MIN (Protocol USB Trigger Port Check Min) - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_PORT_CHECK_MAX (Protocol USB Trigger Port Check Max) - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_SEU_CHECK (Protocol USB Trigger SEU Check) - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_SEU_CHECK_CONDITION (Protocol USB Trigger SEU Check Condition) - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_SEU_CHECK_MIN (Protocol USB Trigger SEU Check Min) - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_SEU_CHECK_MAX (Protocol USB Trigger SEU Check Max) - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_ET_CHECK (Protocol USB Trigger ET Check) - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_ET_CHECK_CONDITION (Protocol USB Trigger ET Check Condition) - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_ET_CHECK_MIN (Protocol USB Trigger ET Check Min) - RSSCOPE_ATTR_PROTOCOL_USB_TRIGGER_ET_CHECK_MAX (Protocol USB Trigger ET Check Max) - RSSCOPE_ATTR_SEARCH_CAN_SYMBOLIC_ENABLED (Search CAN Symbolic Enabled) - RSSCOPE_ATTR_SEARCH_CAN_STANDARD (Search CAN Standard) - RSSCOPE_ATTR_SEARCH_CAN_FD_BITS_FDF (Search CAN FD Bits FDF) - RSSCOPE_ATTR_SEARCH_CAN_FD_BITS_BRS (Search CAN FD Bits BRS) - RSSCOPE_ATTR_SEARCH_CAN_FD_BITS_ESI (Search CAN FD Bits ESI) - RSSCOPE_ATTR_SEARCH_CAN_POSITION_CONDITION (Search CAN Position Condition) - RSSCOPE_ATTR_SEARCH_CAN_POSITION_MIN (Search CAN Position Min) |

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| Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for, C/C++, VEE, MATLAB®, etc. | | |
| Revision | Date | Note |
| | | <ul style="list-style-type: none"> - RSSCOPE_ATTR_SEARCH_CAN_POSITION_MAX (Search CAN Position Max) - RSSCOPE_ATTR_SEARCH_CAN_SYMBOLIC_MESSAGE (Search CAN Symbolic Message) - RSSCOPE_ATTR_SEARCH_CAN_SYMBOLIC_SEARCH_FOR_SIGNAL (Search CAN Symbolic Search For Signal) - RSSCOPE_ATTR_SEARCH_CAN_SYMBOLIC_SIGNAL_VALUE (Search CAN Symbolic Signal Value) - RSSCOPE_ATTR_SEARCH_CAN_SYMBOLIC_SIGNAL_MIN (Search CAN Symbolic Signal Min) - RSSCOPE_ATTR_SEARCH_CAN_SYMBOLIC_SIGNAL_MAX (Search CAN Symbolic Signal Max) - RSSCOPE_ATTR_SEARCH_CAN_SYMBOLIC_SIGNAL_ENUM_VALUE (Search CAN Symbolic Signal Enum Value) - RSSCOPE_ATTR_SEARCH_MIL1553_MODE (Search MIL1553 Mode) - RSSCOPE_ATTR_SEARCH_MIL1553_SYNC_TYPE (Search MIL1553 Sync Type) - RSSCOPE_ATTR_SEARCH_MIL1553_DATA_PATTERN_CONDITION (Search MIL1553 Data Pattern Condition) - RSSCOPE_ATTR_SEARCH_MIL1553_DATA_PATTERN_MIN (Search MIL1553 Data Pattern Min) - RSSCOPE_ATTR_SEARCH_MIL1553_DATA_PATTERN_MAX (Search MIL1553 Data Pattern Max) - RSSCOPE_ATTR_SEARCH_MIL1553_DATA_INDEX_CONDITION (Search MIL1553 Data Index Condition) - RSSCOPE_ATTR_SEARCH_MIL1553_DATA_INDEX_MIN (Search MIL1553 Data Index Min) - RSSCOPE_ATTR_SEARCH_MIL1553_DATA_INDEX_MAX (Search MIL1553 Data Index Max) - RSSCOPE_ATTR_SEARCH_MIL1553_RT_DATA_PATTERN_CONDITION (Search MIL1553 RTA Data Pattern Condition) - RSSCOPE_ATTR_SEARCH_MIL1553_RT_DATA_PATTERN_MIN (Search MIL1553 RTA Data Pattern Min) - RSSCOPE_ATTR_SEARCH_MIL1553_RT_DATA_PATTERN_MAX (Search MIL1553 RTA Data Pattern Max) - RSSCOPE_ATTR_SEARCH_MIL1553_COMMAND_STATUS_RT_DATA_PATTERN_CONDITION (Search MIL1553 Command Status RTA Pattern Condition) - RSSCOPE_ATTR_SEARCH_MIL1553_COMMAND_STATUS_RT_DATA_PATTERN_MIN (Search MIL1553 Command Status RTA Pattern Min) - RSSCOPE_ATTR_SEARCH_MIL1553_COMMAND_STATUS_RT_DATA_PATTERN_MAX (Search MIL1553 Command Status RTA Pattern Max) - RSSCOPE_ATTR_SEARCH_MIL1553_INFO_PATTERN_CONDITION (Search MIL1553 Info Pattern Condition) - RSSCOPE_ATTR_SEARCH_MIL1553_INFO_PATTERN_MIN (Search MIL1553 Info Pattern Min) - RSSCOPE_ATTR_SEARCH_MIL1553_INFO_PATTERN_MAX (Search MIL1553 Info Pattern Max) - RSSCOPE_ATTR_SEARCH_MIL1553_COMMAND_TRANSMIT_RECEIVE (Search MIL1553 Command Transmit Receive) - RSSCOPE_ATTR_SEARCH_MIL1553_COMMAND_SUBADDRESS_PATTERN_CONDITION (Search MIL1553 Command Subaddress Pattern Condition) - RSSCOPE_ATTR_SEARCH_MIL1553_COMMAND_SUBADDRESS_PATTERN_MIN (Search MIL1553 Command Subaddress Pattern Min) - RSSCOPE_ATTR_SEARCH_MIL1553_COMMAND_SUBADDRESS_PATTERN_MAX (Search MIL1553 Command Subaddress Pattern Max) - RSSCOPE_ATTR_SEARCH_MIL1553_COMMAND_RT_DATA_PATTERN_CONDITION (Search MIL1553 |

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| Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for, C/C++, VEE, MATLAB®, etc. | | |
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| | | <p>Command RTA Pattern Condition)</p> <ul style="list-style-type: none"> - RSSCOPE_ATTR_SEARCH_MIL1553_COMMAND_RT_PATTERN_MIN (Search MIL1553 Command RTA Pattern Min) - RSSCOPE_ATTR_SEARCH_MIL1553_COMMAND_RT_PATTERN_MAX (Search MIL1553 Command RTA Pattern Max) - RSSCOPE_ATTR_SEARCH_MIL1553_COMMAND_WORD_COUNT_PATTERN_CONDITION (Search MIL1553 Command Word Count Pattern Condition) - RSSCOPE_ATTR_SEARCH_MIL1553_COMMAND_WORD_COUNT_PATTERN_MIN (Search MIL1553 Command Word Count Pattern Min) - RSSCOPE_ATTR_SEARCH_MIL1553_COMMAND_WORD_COUNT_PATTERN_MAX (Search MIL1553 Command Word Count Pattern Max) - RSSCOPE_ATTR_SEARCH_MIL1553_STATUS_FLAG_MESSAGE_ERROR (Search MIL1553 Status Flag Message Error) - RSSCOPE_ATTR_SEARCH_MIL1553_STATUS_FLAG_BUSY (Search MIL1553 Status Flag Busy) - RSSCOPE_ATTR_SEARCH_MIL1553_STATUS_FLAG_INSTRUMENTATION (Search MIL1553 Status Flag Instrumentation) - RSSCOPE_ATTR_SEARCH_MIL1553_STATUS_FLAG_SUBSYSTEM (Search MIL1553 Status Flag Subsystem) - RSSCOPE_ATTR_SEARCH_MIL1553_STATUS_FLAG_SERVICE_REQUEST (Search MIL1553 Status Flag Service Request) - RSSCOPE_ATTR_SEARCH_MIL1553_STATUS_FLAG_DYNAMIC_BUS_CONTROL (Search MIL1553 Status Flag Dynamic Bus Control) - RSSCOPE_ATTR_SEARCH_MIL1553_STATUS_FLAG_BROADCAST_COMMAND (Search MIL1553 Status Flag Broadcast Command) - RSSCOPE_ATTR_SEARCH_MIL1553_STATUS_FLAG_TERMINAL (Search MIL1553 Status Flag Terminal) - RSSCOPE_ATTR_SEARCH_MIL1553_ERROR_SYNCHRONIZATION_ERROR (Search MIL1553 Error Synchronization Error) - RSSCOPE_ATTR_SEARCH_MIL1553_ERROR_PARITY_ERROR (Search MIL1553 Error Parity Error) - RSSCOPE_ATTR_SEARCH_MIL1553_ERROR_MANCHESTER_CODING_ERROR (Search MIL1553 Error Manchester Coding Error) - RSSCOPE_ATTR_SEARCH_MIL1553_ERROR_TIMING_ERROR (Search MIL1553 Error Timing Error) - RSSCOPE_ATTR_SEARCH_MIL1553_WORDS_COUNT (Search MIL1553 Words Count) - RSSCOPE_ATTR_SEARCH_ARINC429_MODE (Search ARINC429 Mode) - RSSCOPE_ATTR_SEARCH_ARINC429_LABEL_DATA_SDI (Search ARINC429 Label Data SDI) - RSSCOPE_ATTR_SEARCH_ARINC429_LABEL_DATA_SSM (Search ARINC429 Label Data SSM) - RSSCOPE_ATTR_SEARCH_ARINC429_LABEL_PATTERN_CONDITION (Search ARINC429 Label Pattern Condition) - RSSCOPE_ATTR_SEARCH_ARINC429_LABEL_PATTERN_MIN (Search ARINC429 Label Pattern Min) - RSSCOPE_ATTR_SEARCH_ARINC429_LABEL_PATTERN_MAX (Search ARINC429 Label Pattern Max) - RSSCOPE_ATTR_SEARCH_ARINC429_DATA_PATTERN_CONDITION (Search ARINC429 Data Pattern Condition) - RSSCOPE_ATTR_SEARCH_ARINC429_DATA_PATTERN_MIN (Search ARINC429 Data Pattern Min) |

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| Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for, C/C++, VEE, MATLAB®, etc. | | |
| Revision | Date | Note |
| | | <ul style="list-style-type: none"> - RSSCOPE_ATTR_SEARCH_ARINC429_DATA_PATTERN_MAX (Search ARINC429 Data Pattern Max) - RSSCOPE_ATTR_SEARCH_ARINC429_ERROR_CODING_ERROR (Search ARINC429 Error Coding Error) - RSSCOPE_ATTR_SEARCH_ARINC429_ERROR_PARITY_ERROR (Search ARINC429 Error Parity Error) - RSSCOPE_ATTR_SEARCH_ARINC429_ERROR_TIMING_ERROR (Search ARINC429 Error Timing Error) - RSSCOPE_ATTR_SEARCH_ARINC429_WORDS_COUNT (Search ARINC429 Words Count) - RSSCOPE_ATTR_SEARCH_RFFE_TYPE (Search RFFE Type) - RSSCOPE_ATTR_SEARCH_RFFE_SLAVE_CONDITION (Search RFFE Slave Condition) - RSSCOPE_ATTR_SEARCH_RFFE_SLAVE_MIN (Search RFFE Slave Min) - RSSCOPE_ATTR_SEARCH_RFFE_SLAVE_MAX (Search RFFE Slave Max) - RSSCOPE_ATTR_SEARCH_RFFE_ADDRESS_CONDITION (Search RFFE Address Condition) - RSSCOPE_ATTR_SEARCH_RFFE_ADDRESS_MIN (Search RFFE Address Min) - RSSCOPE_ATTR_SEARCH_RFFE_ADDRESS_MAX (Search RFFE Address Max) - RSSCOPE_ATTR_SEARCH_RFFE_BYTE_COUNT_CONDITION (Search RFFE Byte Count Condition) - RSSCOPE_ATTR_SEARCH_RFFE_BYTE_COUNT_MIN (Search RFFE Byte Count Min) - RSSCOPE_ATTR_SEARCH_RFFE_BYTE_COUNT_MAX (Search RFFE Byte Count Max) - RSSCOPE_ATTR_SEARCH_RFFE_DATA_CONDITION (Search RFFE Data Condition) - RSSCOPE_ATTR_SEARCH_RFFE_DATA_MIN (Search RFFE Data Min) - RSSCOPE_ATTR_SEARCH_RFFE_DATA_MAX (Search RFFE Data Max) - RSSCOPE_ATTR_SEARCH_RFFE_INDEX_CONDITION (Search RFFE Index Condition) - RSSCOPE_ATTR_SEARCH_RFFE_INDEX_MIN (Search RFFE Index Min) - RSSCOPE_ATTR_SEARCH_RFFE_INDEX_MAX (Search RFFE Index Max) - RSSCOPE_ATTR_SEARCH_RFFE_ERROR_SCC (Search RFFE Error SCC) - RSSCOPE_ATTR_SEARCH_RFFE_ERROR_LENGTH (Search RFFE Error Length) - RSSCOPE_ATTR_SEARCH_RFFE_ERROR_BUS_PARK (Search RFFE Error Bus Park) - RSSCOPE_ATTR_SEARCH_RFFE_ERROR_PARITY (Search RFFE Error Parity) - RSSCOPE_ATTR_SEARCH_RFFE_ERROR_NO_RESPONSE (Search RFFE Error No Response) - RSSCOPE_ATTR_SEARCH_RFFE_ERROR_UNKNOWN (Search RFFE Error Unknown) - RSSCOPE_ATTR_SEARCH_RFFE_SEQUENCE_COUNT (Search RFFE Sequence Count) - RSSCOPE_ATTR_SEARCH_MDIO_TYPE (Search MDIO Type) - RSSCOPE_ATTR_SEARCH_MDIO_START_CODE (Search MDIO Start Code) - RSSCOPE_ATTR_SEARCH_MDIO_OPERATION_CODE (Search MDIO Operation Code) - RSSCOPE_ATTR_SEARCH_MDIO_PHYSICAL_PORT_ADDRESS (Search MDIO Physical Port Address) - RSSCOPE_ATTR_SEARCH_MDIO_REGISTER_DEVICE_ADDRESS (Search MDIO Register Device Address) - RSSCOPE_ATTR_SEARCH_MDIO_DATA_ADDRESS_PATTERN (Search MDIO Data Address Pattern) - RSSCOPE_ATTR_SEARCH_MDIO_WORD_COUNT (Search MDIO Word Count) |

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| Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for, C/C++, VEE, MATLAB®, etc. | | |
| Revision | Date | Note |
| | | <ul style="list-style-type: none"> - RSSCOPE_ATTR_SEARCH_ETHERNET_FRAME_ENABLED (Search Ethernet Frame Enabled) - RSSCOPE_ATTR_SEARCH_ETHERNET_ERROR_ENABLED (Search Ethernet Error Enabled) - RSSCOPE_ATTR_SEARCH_ETHERNET_DESTINATION_ADDRESS_CONDITION (Search Ethernet Destination Address Condition) - RSSCOPE_ATTR_SEARCH_ETHERNET_DESTINATION_ADDRESS_MIN (Search Ethernet Destination Address Min) - RSSCOPE_ATTR_SEARCH_ETHERNET_DESTINATION_ADDRESS_MAX (Search Ethernet Destination Address Max) - RSSCOPE_ATTR_SEARCH_ETHERNET_SOURCE_ADDRESS_CONDITION (Search Ethernet Source Address Condition) - RSSCOPE_ATTR_SEARCH_ETHERNET_SOURCE_ADDRESS_MIN (Search Ethernet Source Address Min) - RSSCOPE_ATTR_SEARCH_ETHERNET_SOURCE_ADDRESS_MAX (Search Ethernet Source Address Max) - RSSCOPE_ATTR_SEARCH_ETHERNET_TYPE_LENGTH_CONDITION (Search Ethernet Type Length Condition) - RSSCOPE_ATTR_SEARCH_ETHERNET_TYPE_LENGTH_MIN (Search Ethernet Type Length Min) - RSSCOPE_ATTR_SEARCH_ETHERNET_TYPE_LENGTH_MAX (Search Ethernet Type Length Max) - RSSCOPE_ATTR_SEARCH_ETHERNET_FRAME_CHECK_CONDITION (Search Ethernet Frame Check Condition) - RSSCOPE_ATTR_SEARCH_ETHERNET_FRAME_CHECK_MIN (Search Ethernet Frame Check Min) - RSSCOPE_ATTR_SEARCH_ETHERNET_FRAME_CHECK_MAX (Search Ethernet Frame Check Max) - RSSCOPE_ATTR_SEARCH_ETHERNET_ERROR_PREAMBLE (Search Ethernet Error Preamble) - RSSCOPE_ATTR_SEARCH_ETHERNET_ERROR_LENGTH (Search Ethernet Error Length) - RSSCOPE_ATTR_SEARCH_ETHERNET_WORD_COUNT (Search Ethernet Word Count) - RSSCOPE_ATTR_SEARCH_USB_CRITERIA_START_OF_PACKET (Search USB Criteria Start Of Packet) - RSSCOPE_ATTR_SEARCH_USB_CRITERIA_TOKEN (Search USB Criteria Token) - RSSCOPE_ATTR_SEARCH_USB_CRITERIA_DATA (Search USB Criteria Data) - RSSCOPE_ATTR_SEARCH_USB_CRITERIA_HANDSHAKE (Search USB Criteria Handshake) - RSSCOPE_ATTR_SEARCH_USB_CRITERIA_SPECIAL_PID (Search USB Criteria Special PID) - RSSCOPE_ATTR_SEARCH_USB_CRITERIA_ERROR (Search USB Criteria Error) - RSSCOPE_ATTR_SEARCH_USB_TOKEN (Search USB Token) - RSSCOPE_ATTR_SEARCH_USB_DATA_TYPE (Search USB Data Type) - RSSCOPE_ATTR_SEARCH_USB_HANDSHAKE (Search USB Handshake) - RSSCOPE_ATTR_SEARCH_USB_SPECIAL_PID (Search USB Special PID) - RSSCOPE_ATTR_SEARCH_USB_PID_ERROR_CHECK (Search USB PID Error Check) - RSSCOPE_ATTR_SEARCH_USB_ERROR_PID (Search USB Error PID) - RSSCOPE_ATTR_SEARCH_USB_ERROR_CRC5 (Search USB Error CRC5) - RSSCOPE_ATTR_SEARCH_USB_ERROR_CRC16 (Search USB Error CRC16) - RSSCOPE_ATTR_SEARCH_USB_ERROR_BITSTUFF (Search USB Error Bitstuff) - RSSCOPE_ATTR_SEARCH_USB_ERROR_GLITCH (Search USB Error Glitch) - RSSCOPE_ATTR_SEARCH_USB_END_POINT_CHECK (Search USB End Point Check) |

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| Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for, C/C++, VEE, MATLAB®, etc. | | |
| Revision | Date | Note |
| | | <ul style="list-style-type: none"> - RSSCOPE_ATTR_SEARCH_USB_END_POINT_CHECK_CONDITION (Search USB End Point Check Condition) - RSSCOPE_ATTR_SEARCH_USB_END_POINT_CHECK_MIN (Search USB End Point Check Min) - RSSCOPE_ATTR_SEARCH_USB_END_POINT_CHECK_MAX (Search USB End Point Check Max) - RSSCOPE_ATTR_SEARCH_USB_ADDRESS_CHECK (Search USB Address Check) - RSSCOPE_ATTR_SEARCH_USB_ADDRESS_CHECK_CONDITION (Search USB Address Check Condition) - RSSCOPE_ATTR_SEARCH_USB_ADDRESS_CHECK_MIN (Search USB Address Check Min) - RSSCOPE_ATTR_SEARCH_USB_ADDRESS_CHECK_MAX (Search USB Address Check Max) - RSSCOPE_ATTR_SEARCH_USB_PAYLOAD_CHECK (Search USB Payload Check) - RSSCOPE_ATTR_SEARCH_USB_PAYLOAD_CHECK_CONDITION (Search USB Payload Check Condition) - RSSCOPE_ATTR_SEARCH_USB_PAYLOAD_CHECK_POSITION (Search USB Payload Check Position) - RSSCOPE_ATTR_SEARCH_USB_PAYLOAD_CHECK_DATA_CONDITION (Search USB Payload Check Data Condition) - RSSCOPE_ATTR_SEARCH_USB_PAYLOAD_CHECK_PATTERN (Search USB Payload Check Pattern) - RSSCOPE_ATTR_SEARCH_USB_FRAME_CHECK (Search USB Frame Check) - RSSCOPE_ATTR_SEARCH_USB_FRAME_CHECK_CONDITION (Search USB Frame Check Condition) - RSSCOPE_ATTR_SEARCH_USB_FRAME_CHECK_MIN (Search USB Frame Check Min) - RSSCOPE_ATTR_SEARCH_USB_FRAME_CHECK_MAX (Search USB Frame Check Max) - RSSCOPE_ATTR_SEARCH_USB_SC_CHECK (Search USB SC Check) - RSSCOPE_ATTR_SEARCH_USB_SC_CHECK_START_COMPLETE (Search USB SC Check Start Complete) - RSSCOPE_ATTR_SEARCH_USB_PORT_CHECK (Search USB Port Check) - RSSCOPE_ATTR_SEARCH_USB_PORT_CHECK_CONDITION (Search USB Port Check Condition) - RSSCOPE_ATTR_SEARCH_USB_PORT_CHECK_MIN (Search USB Port Check Min) - RSSCOPE_ATTR_SEARCH_USB_PORT_CHECK_MAX (Search USB Port Check Max) - RSSCOPE_ATTR_SEARCH_USB_SEU_CHECK (Search USB SEU Check) - RSSCOPE_ATTR_SEARCH_USB_SEU_CHECK_CONDITION (Search USB SEU Check Condition) - RSSCOPE_ATTR_SEARCH_USB_SEU_CHECK_MIN (Search USB SEU Check Min) - RSSCOPE_ATTR_SEARCH_USB_SEU_CHECK_MAX (Search USB SEU Check Max) - RSSCOPE_ATTR_SEARCH_USB_ET_CHECK (Search USB ET Check) - RSSCOPE_ATTR_SEARCH_USB_ET_CHECK_CONDITION (Search USB ET Check Condition) - RSSCOPE_ATTR_SEARCH_USB_ET_CHECK_MIN (Search USB ET Check Min) - RSSCOPE_ATTR_SEARCH_USB_ET_CHECK_MAX (Search USB ET Check Max) - RSSCOPE_ATTR_SEARCH_USB_PACKET_COUNT (Search USB Packet Count) - RSSCOPE_ATTR_PROTOCOL_BUS_DATA_FORMAT (Protocol Bus Data Format) - RSSCOPE_ATTR_PROTOCOL_LABEL_LIST_FILE (Protocol Label List File) - RSSCOPE_ATTR_PROTOCOL_I2C_FRAME_BYTE_ACK_BIT_START (Protocol I2C Frame Byte Ack Bit Start) |

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| Revision | Date | Note |
| | | <ul style="list-style-type: none"> - RSSCOPE_ATTR_PROTOCOL_CAN_FD_ENABLED (Protocol CAN FD Enabled) - RSSCOPE_ATTR_PROTOCOL_CAN_FD_BIT_RATE (Protocol CAN FD Bit Rate) - RSSCOPE_ATTR_PROTOCOL_CAN_FRAME_STANDARD (Protocol CAN Frame Standard) - RSSCOPE_ATTR_PROTOCOL_RFFE_CLOCK_SOURCE (Protocol RFFE Clock Source) - RSSCOPE_ATTR_PROTOCOL_RFFE_DATA_SOURCE (Protocol RFFE Data Source) - RSSCOPE_ATTR_PROTOCOL_RFFE_PRESET_THRESHOLD (Protocol RFFE Preset Threshold) - RSSCOPE_ATTR_PROTOCOL_RFFE_CLOCK_THRESHOLD_HIGH (Protocol RFFE Clock Threshold High) - RSSCOPE_ATTR_PROTOCOL_RFFE_CLOCK_THRESHOLD_LOW (Protocol RFFE Clock Threshold Low) - RSSCOPE_ATTR_PROTOCOL_RFFE_CLOCK_THRESHOLD_HYSTERESIS (Protocol RFFE Clock Threshold Hysteresis) - RSSCOPE_ATTR_PROTOCOL_RFFE_DATA_THRESHOLD_HIGH (Protocol RFFE Data Threshold High) - RSSCOPE_ATTR_PROTOCOL_RFFE_DATA_THRESHOLD_LOW (Protocol RFFE Data Threshold Low) - RSSCOPE_ATTR_PROTOCOL_RFFE_DATA_THRESHOLD_HYSTERESIS (Protocol RFFE Data Threshold Hysteresis) - RSSCOPE_ATTR_PROTOCOL_RFFE_THRESHOLDS_COUPLING (Protocol RFFE Thresholds Coupling) - RSSCOPE_ATTR_PROTOCOL_RFFE_GLITCH_FILTER_ENABLED (Protocol RFFE Glitch Filter Enabled) - RSSCOPE_ATTR_PROTOCOL_RFFE_GLITCH_FILTER_WIDTH (Protocol RFFE Glitch Filter Width) - RSSCOPE_ATTR_PROTOCOL_RFFE_MIN_GAP_ENABLED (Protocol RFFE Min Gap Enabled) - RSSCOPE_ATTR_PROTOCOL_RFFE_MIN_GAP_TIME (Protocol RFFE Min Gap Time) - RSSCOPE_ATTR_PROTOCOL_RFFE_MAX_GAP_ENABLED (Protocol RFFE Max Gap Enabled) - RSSCOPE_ATTR_PROTOCOL_RFFE_MAX_GAP_TIME (Protocol RFFE Max Gap Time) - RSSCOPE_ATTR_PROTOCOL_RFFE_DECODING_RESULTS_SEQUENCE_COUNT (Protocol RFFE Decoding Results Sequence Count) - RSSCOPE_ATTR_PROTOCOL_MDIO_THRESHOLD_PRESET (Protocol MDIO Threshold Preset) - RSSCOPE_ATTR_PROTOCOL_MDIO_CLOCK_SOURCE (Protocol MDIO Clock Source) - RSSCOPE_ATTR_PROTOCOL_MDIO_CLOCK_THRESHOLD_HIGH (Protocol MDIO Clock Threshold High) - RSSCOPE_ATTR_PROTOCOL_MDIO_CLOCK_THRESHOLD_LOW (Protocol MDIO Clock Threshold Low) - RSSCOPE_ATTR_PROTOCOL_MDIO_DATA_SOURCE (Protocol MDIO Data Source) - RSSCOPE_ATTR_PROTOCOL_MDIO_DATA_THRESHOLD_HIGH (Protocol MDIO Data Threshold High) - RSSCOPE_ATTR_PROTOCOL_MDIO_DATA_THRESHOLD_LOW (Protocol MDIO Data Threshold Low) - RSSCOPE_ATTR_PROTOCOL_MDIO_THRESHOLDS_COUPLING (Protocol MDIO Thresholds Coupling) - RSSCOPE_ATTR_PROTOCOL_MDIO_DECODING_RESULTS_WORD_COUNT (Protocol MDIO Decoding Results Word Count) |

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| Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for, C/C++, VEE, MATLAB®, etc. | | |
| Revision | Date | Note |
| | | <ul style="list-style-type: none"> - RSSCOPE_ATTR_PROTOCOL_ETHERNET_VARIANT (Protocol Ethernet Variant) - RSSCOPE_ATTR_PROTOCOL_ETHERNET_SOURCE (Protocol Ethernet Source) - RSSCOPE_ATTR_PROTOCOL_ETHERNET_POLARITY (Protocol Ethernet Polarity) - RSSCOPE_ATTR_PROTOCOL_ETHERNET_THRESHOLD_PRESET (Protocol Ethernet Threshold Preset) - RSSCOPE_ATTR_PROTOCOL_ETHERNET_THRESHOLD_LOW (Protocol Ethernet Threshold Low) - RSSCOPE_ATTR_PROTOCOL_ETHERNET_THRESHOLD_HIGH (Protocol Ethernet Threshold High) - RSSCOPE_ATTR_PROTOCOL_ETHERNET_BIT_RATE (Protocol Ethernet Bit Rate) - RSSCOPE_ATTR_PROTOCOL_ETHERNET_DECODING_RESULTS_WORD_COUNT (Protocol Ethernet Decoding Results Word Count) - RSSCOPE_ATTR_PROTOCOL_USB_D_PLUS_SOURCE (Protocol USB D Plus Source) - RSSCOPE_ATTR_PROTOCOL_USB_D_MINUS_SOURCE (Protocol USB D Minus Source) - RSSCOPE_ATTR_PROTOCOL_USB_DIFFERENTIAL_SOURCE (Protocol USB Differential Source) - RSSCOPE_ATTR_PROTOCOL_USB_DATA_SOURCE (Protocol USB Data Source) - RSSCOPE_ATTR_PROTOCOL_USB_STROBE_SOURCE (Protocol USB Strobe Source) - RSSCOPE_ATTR_PROTOCOL_USB_TECHNOLOGY (Protocol USB Technology) - RSSCOPE_ATTR_PROTOCOL_USB_D_PLUS_THRESHOLD (Protocol USB D Plus Threshold) - RSSCOPE_ATTR_PROTOCOL_USB_D_MINUS_THRESHOLD (Protocol USB D Minus Threshold) - RSSCOPE_ATTR_PROTOCOL_USB_DIFFERENTIAL_THRESHOLD (Protocol USB Differential Threshold) - RSSCOPE_ATTR_PROTOCOL_USB_DATA_THRESHOLD (Protocol USB Data Threshold) - RSSCOPE_ATTR_PROTOCOL_USB_STROBE_THRESHOLD (Protocol USB Strobe Threshold) - RSSCOPE_ATTR_PROTOCOL_USB_DECODING_RESULTS_PACKET_COUNT (Protocol USB Decoding Results Packet Count) - RSSCOPE_ATTR_POWER_RIPPLE_CURRENT_ENABLED (Power Ripple Current Enabled) - RSSCOPE_ATTR_SAFE_OPERATING_AREA_SWITCH (Safe Operating Area Switch) - RSSCOPE_ATTR_MSO_DIGITAL_RESOLUTION (MSO Digital Resolution) - RSSCOPE_ATTR_MSO_DIGITAL_RECORD_LENGTH (MSO Digital Record Length) - RSSCOPE_ATTR_SAVESET_PREVIEW_IMAGE (Saveset Preview Image) - RSSCOPE_ATTR_HARDCOPY_WHITE_BACKGROUND (Hardcopy White Background) - RSSCOPE_ATTR_HARDCOPY_PRINT_COLOR_SET (Hardcopy Print Color Set) - RSSCOPE_ATTR_HARDCOPY_INVERSE_COLORS (Hardcopy Inverse Colors) - RSSCOPE_ATTR_CHANNEL_COUNT (Channel Count) - RSSCOPE_ATTR_BYTE_ORDER (Byte Order) <p>* Modified:</p> <ul style="list-style-type: none"> - rscope_ConfigureProbeAttenuatorRTZA15 - command changed - rscope_ConfigureSerialBusTriggerSource - new protocols, MDIO, Ethernet, RFFE, USB - rscope_ConfigureSpectrumMainMeasurement - THD in % - rscope_ConfigureSpectrumAdditionalMeasurement - THD in % - rscope_ConfigureSpectrumLimitCheck - THD in % - rscope_ConfigureSpectrumLimitCheckLimits - THD in % |

| rscope Instrument Driver | | |
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| Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for, C/C++, VEE, MATLAB®, etc. | | |
| Revision | Date | Note |
| | | <ul style="list-style-type: none"> - rscope_ConfigureSpectrumLimitCheckMargins - THD in % - rscope_ConfigureReferenceLevelAutoSettings - Mode UMLA - rscope_QueryCANSearchFrameCount - API changed - rscope_QueryFlexRayFrameField - Fixed cmd strings for fields - rscope_QueryFlexRaySearchFrameCount - API changed - rscope_QueryFlexRaySearchFrameField - Fixed cmd strings for fields - rscope_ConfigureARINC429BitRate - bit rate range - rscope_ReadSpectrumWaveformMeasurement - THD in % - rscope_ReadStartStopSpectrumWaveformMeasurement - THD in % - rscope_FetchSpectrumWaveformMeasurement - THD in % - rscope_FetchStartStopSpectrumWaveformMeasurement - THD in % - rscope_PowerAnalysisReportContent - API changed (Title boolean) - rscope_PowerQualityInputFrequency - cmd strings - rscope_TransientResponseTrigger - Source 1 to 4 only - rscope_SetStatusRegister - ADC State - rscope_GetStatusRegister - ADC State - rscope_StartPowerAnalysisDeskew - added Wait - rscope_PowerAnalysisReportLSend - parameter Returned Value changed from ViInt32 to ViChar[] - RSSCOPE_ATTR_CALIBRATION_SOURCE_FREQUENCY (Calibration Source Frequency) - Fixed range table, 2x same name 250 MHz. - RSSCOPE_ATTR_PROBE_PREDEFINED_CURRENT_PROBE (Probe Predefined Current Probe) - Removed ZZ60 from range table. - RSSCOPE_ATTR_PROBE_ATTENUATOR_ZA15 (Probe Attenuator ZA15) - Command changed, PROBe<m>:SETup:ZA15 to PROBe<m>:SETup:ZAXV - RSSCOPE_ATTR_TRIGGER_LEVEL (Trigger Level) - Removed range checking. - RSSCOPE_ATTR_WINDOW_UPPER_LIMIT (Window Upper Limit) - Removed range checking. - RSSCOPE_ATTR_WINDOW_LOWER_LIMIT (Window Lower Limit) - Removed range checking. - RSSCOPE_ATTR_INTERVAL_POLARITY (Interval Polarity) - Changed range table. - RSSCOPE_ATTR_SERIAL_PATTERN_LEVEL (Serial Pattern Level) - Removed range checking. - RSSCOPE_ATTR_PROTOCOL_I2C_TRIGGER_ADDRESS_OR_TYPE (Protocol I2C Trigger Address OR Type) - Changed range table to remove unsupported values. - RSSCOPE_ATTR_PROTOCOL_SPI_TRIGGER_CONDITION (Protocol SPI Trigger Condition) - Removed unused enum items. - RSSCOPE_ATTR_PROTOCOL_AUDIO_TRIGGER_WORD_SELECT_SLOPE (Protocol Audio Trigger Word Select Slope) - Range table changed. - RSSCOPE_ATTR_PROTOCOL_MIL1553_TRIGGER_DATA_INDEX_CONDITION (Protocol MIL1553 Trigger Data Index Condition) - Removed unused enum items. - RSSCOPE_ATTR_CURSOR_X_POSITION (Cursor X Position) - Removed range checking. - RSSCOPE_ATTR_CURSOR_Y_POSITION (Cursor Y Position) - Removed range checking. - RSSCOPE_ATTR_AMPLITUDE_TIME_LOWER_LIMIT_MARGIN (Amplitude Time Lower Limit Margin) - Fixed command. - RSSCOPE_ATTR_USER_REFERENCE_RELATIVE_LOWER_LEVEL (User Reference Relative Lower Level) - Changed default value. |

| rscope Instrument Driver | | |
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| Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for, C/C++, VEE, MATLAB®, etc. | | |
| Revision | Date | Note |
| | | <ul style="list-style-type: none"> - RSSCOPE_ATTR_FFT_FREQUENCY_SPAN (FFT Frequency Span) - Removed range checking. - RSSCOPE_ATTR_FFT_START_FREQUENCY (FFT Start Frequency) - Removed range checking. - RSSCOPE_ATTR_FFT_STOP_FREQUENCY (FFT Stop Frequency) - Removed range checking. - RSSCOPE_ATTR_MASK_TEST_VIOLATION_TOLERANCE (Mask Test Violation Tolerance) - Removed range checking. - RSSCOPE_ATTR_PROTOCOL_REFERENCE_LEVELS (Protocol Reference Levels) - Data type set to None. - RSSCOPE_ATTR_PROTOCOL_FLEXRAY_FRAME_HEADER_CRC (Protocol FlexRay Frame Header CRC) - Fixed command. - RSSCOPE_ATTR_PROTOCOL_FLEXRAY_FRAME_CRC (Protocol FlexRay Frame CRC) - Fixed command. - RSSCOPE_ATTR_PROTOCOL_FLEXRAY_FRAME_HEADER_CRC_STATUS (Protocol FlexRay Frame Header CRC Status) - Fixed command. - RSSCOPE_ATTR_PROTOCOL_FLEXRAY_FRAME_CRC_STATUS (Protocol FlexRay Frame CRC Status) - Fixed command. - RSSCOPE_ATTR_POWER_ANALYSIS_START_DESKEW (Power Analysis Start Deskew) - Added *WAI to command. - RSSCOPE_ATTR_POWER_ANALYSIS_REPORT_ADD (Power Analysis Report Add) - Access changed to write-only. - RSSCOPE_ATTR_POWER_ANALYSIS_REPORT_SEL_ALL (Power Analysis Report Select All) - Access changed to write-only. - RSSCOPE_ATTR_POWER_ANALYSIS_REPORT_SEL_NONE (Power Analysis Report Deselect All) - Access changed to write-only. - RSSCOPE_ATTR_POWER_ANALYSIS_REPORT_SEL_REMOVE (Power Analysis Report Remove Selected) - Access changed to write-only. - RSSCOPE_ATTR_POWER_ANALYSIS_REPORT_SEL_INVERT (Power Analysis Report Invert Selection) - Access changed to write-only. - RSSCOPE_ATTR_POWER_ANALYSIS_REPORT_FILE_NAME (Power Analysis Report File Name) - Access changed to write-only. - RSSCOPE_ATTR_MSO_DATA2CLOCK_TRIGGER_HOLD_TIME (MSO Data2Clock Trigger Hold Time) - Changed range. - RSSCOPE_ATTR_IQ_FILTER_BANDWIDTH (IQ Filter Bandwidth) - Data type changed according to CVI & LV. - RSSCOPE_ATTR_CDR_SOFTWARE_PLL_REL_BANDWIDTH (CDR Software PLL Relative Bandwidth) - Changed range. - RSSCOPE_ATTR_CDR_HARDWARE_BIT_RATE (CDR Hardware Bit Rate) - Removed range checking. - RSSCOPE_ATTR_WAVEFORM_EXPORT_SCOPE_GATE (Waveform Export Scope Gate) - Removed obsolete items. - RSSCOPE_ATTR_WAVEFORM_EXPORT_FAST_EXPORT (Waveform Export Fast Export) - Changed access to write-only. - RSSCOPE_ATTR_LONG_TERM_EXPORT_RESULT (Long Term Export Result) - Removed no longer supported items. - RSSCOPE_ATTR_MATERIAL_NUMBER (Material Number) - Changed access to read-only. <p>* Modified Repeated Capabilities:</p> |

| rscope Instrument Driver | | |
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| Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for, C/C++, VEE, MATLAB®, etc. | | |
| Revision | Date | Note |
| | | <ul style="list-style-type: none"> - SpectrumMeasurementType - added 'Spec6' - SpectrumMeasurementResult - added THDPCT - QRegister - added 'ADCState' - FieldValue - fixed command values - FieldStatus - fixed command values * Deleted: - rscope_ConfigureStatisticsAverageCount - RSSCOPE_ATTR_PROBE_MEASUREMENT_TYPE (Probe Measurement Type) - RSSCOPE_ATTR_STATISTICS_WEIGHT (Statistics Weight) - RSSCOPE_ATTR_PROTOCOL_I2C_FRAME_BYTE_ACK_BIT (Protocol I2C Frame Byte Ack Bit) |
| 2.30.0 | 10/2014 | <ul style="list-style-type: none"> * Version 2.30.0 * Support for RTO & RTE version 2.30 * Added MATLAB custom driver: to "c:\Program Files (x86)\IVI Foundation\VISAWinNT\rscope\rscope.mdd" or "c:\Program Files\IVI Foundation\VISAWin64\rscope\rscope.mdd" * Added MATLAB snippet codes to functions and attributes help file * New Subsystems - added Quick source in multiple subsystems - Search Decoded Results in CAN Protocol - Search Decoded Results in FlexRay Protocol |
| 2.25.0 | 07/2014 | <ul style="list-style-type: none"> * Support for RTO & RTE version 2.25 * New Subsystems - Probe Meter - Trigger Input Probe - MIL-Std-1553 Protocol - ARINC 429 Protocol * New: - rscope_ConfigureProbeCMOffset - rscope_ConfigureProbeAttenuatorRTZA15 - rscope_ConfigureEdgeExternalTriggerNoiseReject - rscope_ConfigureMathEnvelopeWaveformSelection - rscope_ReadStartStopAmplitudeTimeWaveformMeasurement - rscope_ReadStartStopEyeJitterWaveformMeasurement - rscope_ReadStartStopHistogramWaveformMeasurement - rscope_ReadStartStopSpectrumWaveformMeasurement - rscope_ReadStartStopJitterWaveformMeasurement - rscope_FetchStartStopAmplitudeTimeWaveformMeasurement - rscope_FetchStartStopEyeJitterWaveformMeasurement - rscope_FetchStartStopHistogramWaveformMeasurement - rscope_FetchStartStopSpectrumWaveformMeasurement |

| rsscope Instrument Driver | | |
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| Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for, C/C++, VEE, MATLAB®, etc. | | |
| Revision | Date | Note |
| | | <ul style="list-style-type: none"> - rsscope_FetchStartStopJitterWaveformMeasurement - rsscope_QueryPowerAnalysisAutoDeskewValue - rsscope_PowerAnalysisAutoDeskewToOffset - rsscope_QueryPowerRippleMeasureResult - rsscope_QueryPowerSpectrumHarmonicsCount - rsscope_PowerOnOffInputType - rsscope_PowerOnOffDCLevel - rsscope_ConfigureWaveformNxSingleAcquisitionDisplayUpdate - rsscope_ConfigureUARTPackets - RSSCOPE_ATTR_MEASUREMENT_PREFIX_ENABLED - RSSCOPE_ATTR_TRIGGER_EXTERNAL_OVERLOAD * Modified: - rsscope_ConfigureChannelBandwidth - rsscope_ConfigureProbeMicroButtonAction - rsscope_ConfigureEdgeTriggerSource - rsscope_ConfigureSlewRateTriggerSource - rsscope_ConfigureSerialBusTriggerSource - rsscope_ConfigureCursor - rsscope_ConfigureJitterDataMeasurementClockMode - rsscope_ConfigureReferenceLevel - rsscope_ConfigureReferenceLevelAutoSettings - rsscope_ConfigureReferenceUserSignalLevel - rsscope_ConfigureUserReferenceLevel - rsscope_ConfigureUserMiddleReferenceLevel - rsscope_ConfigureReferenceLevelRelativeLevels - rsscope_ConfigureReferenceLevelRelativeUserLevels - rsscope_ConfigureReferenceLevelHysteresis - rsscope_ConfigureReferenceLevelTube - rsscope_ConfigureReferenceLevelTubeRelative - rsscope_PowerSwitchingLossGateSettings - rsscope_TransientResponseTrigger - rsscope_ConfigureMaskTestSource - rsscope_QueryIQDataMemory - 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 |

| rscope Instrument Driver | | |
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| Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for, C/C++, VEE, MATLAB®, etc. | | |
| Revision | Date | Note |
| | | <ul style="list-style-type: none"> - 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 | 01/2014 | <ul style="list-style-type: none"> * New Subsystems - Power Analysis * Modified: - rscope_ConfigureAmplitudeTimeMainMeasurement - RSSCOPE_ATTR_AMPT_MAIN_MEASUREMENT - rscope_ConfigureAmplitudeTimeAdditionalMeasurement - rscope_ConfigureSpectrumMainMeasurement - RSSCOPE_ATTR_SPECTRUM_MAIN_MEASUREMENT - rscope_ConfigureSpectrumAdditionalMeasurement - rscope_ConfigureAmplitudeTimeLimitCheck - RSSCOPE_ATTR_AMPT_LIMIT_CHECK - rscope_ConfigureAmplitudeTimeLimitCheckLimits - RSSCOPE_ATTR_AMPT_LIMIT_VALUE - rscope_ConfigureAmplitudeTimeLimitCheckMargins - RSSCOPE_ATTR_AMPT_LIMIT_MARGIN - rscope_ReadAmplitudeTimeWaveformMeasurement - rscope_FetchAmplitudeTimeWaveformMeasurement - RSSCOPE_ATTR_SPECTRUM_MEASUREMENT_RESULT - rscope_ReadSpectrumWaveformMeasurement - rscope_FetchSpectrumWaveformMeasurement - RSSCOPE_ATTR_SPECTRUM_MEASUREMENT_RESULT - rscope_ConfigureSpectrumLimitCheck - RSSCOPE_ATTR_SPECTRUM_LIMIT_CHECK - rscope_ConfigureSpectrumLimitCheckLimits - RSSCOPE_ATTR_SPECTRUM_LIMIT_VALUE - rscope_ConfigureSpectrumLimitCheckMargins - RSSCOPE_ATTR_SPECTRUM_LIMIT_MARGIN - rscope_ConfigureWaveformExportSource - RSSCOPE_ATTR_WAVEFORM_EXPORT_SOURCE - rscope_Configure_Channel_Offset..range checking removed |

| rsscope Instrument Driver | | |
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| Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for, C/C++, VEE, MATLAB®, etc. | | |
| Revision | Date | Note |
| | | <ul style="list-style-type: none"> - rsscope_Configure_Probe ... channel offset range checking removed - RSSCOPE_ATTR_CHANNEL_OFFSET ... range checking removed * New: <ul style="list-style-type: none"> - rsscope_ConfigureAmplitudeTimeDelayToTrigger - RSSCOPE_ATTR_AMPLITUDE_DELAY_TO_TRIGGER_SLOPE - RSSCOPE_ATTR_AMPLITUDE_DELAY_TO_TRIGGER_REFERENCE_LEVEL |
| 1.50.0 | 08/2013 | <ul style="list-style-type: none"> * Support for RTO version 1.50 added * Database <ul style="list-style-type: none"> - compatibility with IVI.Net * Added subsystems: <ul style="list-style-type: none"> - Jitter Measurement - Clock Data Recovery * Modified: <ul style="list-style-type: none"> - rsscope_ConfigureAcquisitionRecord - command changed - rsscope_ConfigureTimeBase - restrict default value - rsscope_ConfigureCurrentProbePredefined - RT-ZZ60 >> RT-ZZ80 - rsscope_ConfigureTrigger - CDR added - rsscope_ConfigureTriggerQualification - CDR added - rsscope_ConfigureTriggerQualificationMulitchannelLogic - CDR added - rsscope_ConfigureMultipleMeasurementNumber - range - rsscope_ConfigureMeasurementCategory - Jitter added - rsscope_ConfigureCursor - removed Type values - rsscope_ConfigureCursorEnvelopeWaveformSelection - Both removed - rsscope_ConfigureAmplitudeTimeLimitCheck - changed rep_cap - rsscope_ConfigureAmplitudeTimeLimitCheckLimits - changed rep_cap - rsscope_ConfigureAmplitudeTimeLimitCheckMargins - changed rep_cap - rsscope_ConfigureLongTermVerticalContinuousAutoScaling - Default value changed - rsscope_ConfigureReferenceLevelAutoSettings - Mode UPLM, UMLP, UALM added - rsscope_ConfigureMaskTestDefinitionType - Eye added - rsscope_ConfigureI2CTriggerAddress - Type auto removed - rsscope_QueryI2CFrameStatus - RW byte undefined added - rsscope_ConfigureMathVerticalScale - range - rsscope_QueryFFTFrameCoverage - changed data type - rsscope_ConfigureReferenceWaveformVerticalScaling - Vertical scale range * New: <ul style="list-style-type: none"> - rsscope_QueryDetectedProbeGain - rsscope_ConfigureMeasurementDiagramFineGridScale - rsscope_ConfigureMaskTestEyeShape - rsscope_ConfigureMaskTestEyePolygon - rsscope_ConfigureMaskTestEyeTopBottom |

| rsscope Instrument Driver | | |
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| Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for, C/C++, VEE, MATLAB®, etc. | | |
| Revision | Date | Note |
| | | <ul style="list-style-type: none"> - rsscope_ConfigureMaskTestEyeCenter - rsscope_ReadJitterWaveformMeasurement - rsscope_FetchJitterWaveformMeasurement |
| 1.47.0 | 04/2013 | <ul style="list-style-type: none"> * Support for RTO version 1.47 added * Added subsystems: <ul style="list-style-type: none"> - Audio Signals Subsystem - Waveform Label subsystem - Histogram Export - Long Term And Meas Histograms Export * Modified: <ul style="list-style-type: none"> - rsscope_QueryProbeCharacteristics - Attenuation data type - rsscope_ConfigureProbeAttenuation -Attenuation range - rsscope_ConfigureProbeGain - Range - rsscope_ConfigureCurrentProbePredefined - ZD01_100, ZD01_1000, ZZ60 - rsscope_ConfigureSerialBusTriggerSource - Audio Protocol - rsscope_QueryTriggerOutDelay - Range - rsscope_ConfigureColorTableAssignment - Sources (Track waveforms) - rsscope_AddDiagram - Sources (Track waveforms) - rsscope_ShowWaveformInDiagram - Sources (Track waveforms) - rsscope_RemoveWaveformFromDiagram - Sources (Track waveforms) - rsscope_ConfigureMeasurementCategory - Protocol - rsscope_ConfigureCursor - Sources (Track waveforms) - rsscope_CreateNewHistogram - Source (MRES) - rsscope_ConfigureHistogramSource - Source (MRES) - rsscope_ConfigureResetStatisticsSettings - Removed NONE, added meas - rsscope_AutoProbeSenseValue - String to real - rsscope_ConfigureMaskTestWaveformRescale - ranges - rsscope_ConfigureSearchSource - Source D0-D15 - rsscope_ConfigureEdgeTriggerSearch - Source D0-D15 - rsscope_ConfigureGlitchTriggerSearch - Source D0-D15 - rsscope_ConfigureWidthTriggerSearch - Source D0-D15 - rsscope_ConfigureRuntTriggerSearch - Source D0-D15 - rsscope_ConfigureWindowTriggerSearch - Source D0-D15 - rsscope_ConfigureTimeoutTriggerSearch - Source D0-D15 - rsscope_ConfigureIntervalTriggerSearch - Source D0-D15 - rsscope_ConfigureSlewRateTriggerSearch - Source D0-D15 - rsscope_ConfigureData2ClockTriggerSearch - Source D0-D15 - rsscope_ConfigureSearchNoiseReject - Source D0-D15 - rsscope_ConfigureI2CSource - Source D0-D15 - rsscope_ConfigureSPISource - Source D0-D15 |

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| Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for, C/C++, VEE, MATLAB®, etc. | | |
| Revision | Date | Note |
| | | <ul style="list-style-type: none"> - rsscope_ConfigureUARTSource - Source D0-D15 - rsscope_ConfigureLINSrc - Source D0-D15 - rsscope_ConfigureCANSrc - Source D0-D15 - rsscope_ConfigureFlexRaySrc - Source D0-D15 - rsscope_ConfigureMathSetup - Smooth >> RMS - rsscope_ConfigureFFTFrequencyCenterSpan - Span Range - rsscope_ConfigureFFTResolutionBandwidth - BW Range - rsscope_ConfigureFFTFrameSetup - Smooth >> RMS - rsscope_ConfigureFFTMagnitude - Reference Level Range - rsscope_FetchWaveform - Initial X and X Increment - rsscope_FetchMathWaveform - uses dataReadTrace - rsscope_ConfigureWaveformExportSource - D0-D15 repaired, TRK - rsscope_ConfigureUARTThreshold - changed threshold values - rsscope_ConfigureLINTThreshold - changed threshold values - rsscope_ConfigureI2CThreshold - changed threshold values - rsscope_ConfigureSPIThreshold - changed threshold values - rsscope_ConfigureCANThreshold - changed threshold values - rsscope_ConfigureFlexRayThresholdSingle - changed threshold values - rsscope_ConfigureFlexRayThresholdDifferential - changed threshold values * New: - rsscope_QueryDetectedProbeGain - rsscope_ConfigureDiagramZoomOverlay - rsscope_ConfigureDiagramZoomPositionCoupling - rsscope_ConfigureLongTermVerticalContinuousAutoScaling - rsscope_ConfigureResetStatisticsMeasurementsCount - rsscope_ConfigureMaskTestSavePath - rsscope_ConfigureMaskTestManagerOperations - rsscope_ConfigureDataFormat - rsscope_SetReferenceLevels - rsscope_ReadMathWaveform - rsscope_ConfigureWaveformExportChannel - rsscope_ConfigureWaveformExportMultichannel - rsscope_ConfigureWaveformExportFastExport |
| 1.45.0 | 11/2012 | <ul style="list-style-type: none"> * Modified - functions removed: Convert2Binary, ConvertFromBinary |
| 1.40.1 | 09/2012 | <ul style="list-style-type: none"> * Modified - Removed range checking for channel vertical scale (attribute RSSCOPE_ATTR_VERTICAL_SCALE, rsscope_Configure_Channel_Visual_Scale.vi) |
| 1.40.0 | 08/2012 | <ul style="list-style-type: none"> * Support for RTO version 1.40 added |

| rsscope Instrument Driver | | |
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| Revision | Date | Note |
| | | <p>* Modified:</p> <ul style="list-style-type: none"> - rsscope_ConfigureChannelExternalAttenuation - Attenuation range - rsscope_ConfigureTrigger - TV trigger added - rsscope_ConfigureNoiseReject - Absolute Hysteresis help changed - rsscope_ConfigureTriggerQualification - TV trigger added - rsscope_ConfigureTriggerQualificationMultichannelLogic - TV trigger added - rsscope_SearchTriggerCopyConfiguration - added support for Pattern, State trigger <ul style="list-style-type: none"> - copy from B only for Edge trigger - RSSCOPE_ATTR_PROTOCOL_UART_STOP_BITS - command string changed - B1_5 >> B15 - rsscope_ConfigureFlexRayTriggerDataPosition - Condition values removed from ring - rsscope_ConfigureWaveformExportSource - Source D0-D15 <p>* New:</p> <ul style="list-style-type: none"> - rsscope_ConfigureUltraSegmentationAutoReplay - rsscope_ConfigureTVTrigger - rsscope_ConfigureTVTriggerCustomSettings - rsscope_ConfigureResultBoxPosition - rsscope_ConfigureStateTriggerSearch - rsscope_ConfigureStateTriggerSearchQualification - rsscope_ConfigureStateTriggerSearchQualificationMultichannelLogic - rsscope_ConfigurePatternTriggerSearch - rsscope_ConfigurePatternTriggerSearchQualification - rsscope_ConfigurePatternTriggerSearchQualificationMultichannelLogic - rsscope_ConfigureMSODeskew - rsscope_ConfigureMSOTechnology - rsscope_WaveformExportInterleavedXY - rsscope_WaveformExportRawValues <p>* Removed:</p> <ul style="list-style-type: none"> - rsscope_SearchTriggerLevelAutoFind |
| 1.35.0 | 02/2012 | <p>* Support for RTO version 1.35 added</p> <p>* Modified:</p> <ul style="list-style-type: none"> - rsscope_ConfigureEdgeTriggerSource - control "Trigger Source", added External & Serial Bus - rsscope_ConfigureNoiseReject - control "Trigger Source", added External - rsscope_ConfigureAmplitudeTimeMainMeasurement - added SHT, SHR - rsscope_ConfigureAmplitudeTimeAdditionalMeasurement - added Edge count, SHT, SHR - rsscope_ConfigureAmplitudeTimeSlope - added Clock count - rsscope_ConfigureAmplitudeTimeLimitCheck - added Pulse & Edge count, SHT, SHR - rsscope_ConfigureAmplitudeTimeLimitCheckLimits - added Pulse & Edge count, SHT, SHR - rsscope_ConfigureAmplitudeTimeLimitCheckMargins - added Pulse & Edge count, SHT, SHR - rsscope_ConfigureSpectrumSettings - "Channel Center Frequency", range changed - rsscope_ReadMainWaveformMeasurement - added Statistic Type "Waveform" |

| rscope Instrument Driver | | |
|---|---------|--|
| Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for, C/C++, VEE, MATLAB®, etc. | | |
| Revision | Date | Note |
| | | <ul style="list-style-type: none"> - rscope_ReadAmplitudeTimeWaveformMeasurement - added Statistic Type "Waveform", Measurement Function Edge count, SHT, SHR, Setup & Hold time - rscope_ReadEyeJitterWaveformMeasurement - added Statistic Type "Waveform" - rscope_ReadHistogramWaveformMeasurement - added Statistic Type "Waveform" - rscope_ReadSpectrumWaveformMeasurement - added Statistic Type "Waveform" - rscope_FetchMainWaveformMeasurement - added Statistic Type "Waveform" - rscope_FetchAmplitudeTimeWaveformMeasurement - added Statistic Type "Waveform", Measurement Function Edge count, SHT, SHR, Setup & Hold time - rscope_FetchEyeJitterWaveformMeasurement - added Statistic Type "Waveform" - rscope_FetchHistogramWaveformMeasurement - added Statistic Type "Waveform" - rscope_FetchSpectrumWaveformMeasurement - added Statistic Type "Waveform" * New: - rscope_ConfigureSkew - rscope_ConfigureAmplitudeTimeReferenceLevel - rscope_ConfigureHistogramState - rscope_ConfigureMaskTestDefinitionType - rscope_ConfigureMaskTestWaveformCopy - rscope_ConfigureMaskTestWaveformRescale - rscope_ConfigureTranslationState - rscope_ConfigureI2CRWBit - rscope_QueryI2CFrameTranslation - rscope_ConfigureLINTriggerCRCErrorsStandard - rscope_QueryLINFrameTranslation - rscope_QueryCANFrameTranslation - rscope_QueryFlexRayFrameTranslation * Removed: - rscope_MaskTestReset |
| 1.27.1 | 10/2011 | <p>Modifications:</p> <ul style="list-style-type: none"> * Attributes db updated to version 2.0.0.0 * New - rscope_ConfigureProbeDetection - rscope_ConfigureCurrentProbePredefined - rscope_QuerySPIWordCount * 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_QuerySPIFrameCount - command chanded BUS<SerialBus>:SPI:FRAME:COUNT? -> |

| rscope Instrument Driver | | |
|---|---------|--|
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| Revision | Date | Note |
| | | <p>BUS<SerialBus>:SPI:FCOunt?</p> <p>RSSCOPE_ATTR_PROTOCOL_SPI_FRAME_COUNT</p> <ul style="list-style-type: none"> - rscope_ConfigureCursor - added source for Digital Channels and Digital Buses - rscope_RemoveWaveformFromDiagram - rscope_ConfigureMeasurementSource - added source for Digital Channels - rscope_ConfigureCursorEnvelopeWaveformSelection - added "Both" cursor position <p>RSSCOPE_ATTR_CURSOR_ENVELOPE_CURVE</p> <ul style="list-style-type: none"> - rscope_ConfigureAmplitudeTimeMainMeasurement - added Pulse Train measurement - rscope_ConfigureAmplitudeTimeAdditionalMeasurement - rscope_ReadAmplitudeTimeWaveformMeasurement - rscope_FetchAmplitudeTimeWaveformMeasurement - rscope_ConfigureProbeAttenuation - Mode control removed - rscope_QueryLINFrameField - result for Sync field value is not available - rscope_QuerySPIFrameStatus - removed controls SS Start, SS Stop, Error Word Length - rscope_ConfigureAcquisitionType - bug fix - rscope_rscope_ConfigureWaveformArithmetic - bug fix - rscope_FetchWaveformHeader - bug fix |
| 1.27.0 | 08/2011 | <p>* Support for RTO version 1.27.x added</p> <p>* Added subsystems:</p> <ul style="list-style-type: none"> - History - LIN - CAN - Waveform Export <p>* Removed:</p> <ul style="list-style-type: none"> - In class Protocol, all attributes containing <Frame> or <Word> 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 RSSCOPE_ATTR_PROTOCOL_I2C_TRIGGER_NO_ACK - 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 functions in Decode Results class doesn't use attributes. - All functions that query pattern now use attribut RSSCOPE_ATTR_SET_QUERY_PATTERN_FORMAT, pattern format is set to decimal. - All Waveform Acquisition rscope_Read* functions initiate measurement by using RUN single instead |

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| | | <p>send SW trigger</p> <ul style="list-style-type: none"> - rscope_ConfigureAmplitudeTimeSettings - added Pulse train count - RSSCOPE_ATTR_REFERENCE_LEVEL_RELATIVE_LEVELS - added settings for user defined levels - rscope_ConfigureUARTTriggerType - 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_ConfigureUARTTriggerData - 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_ConfigureUART - maximum bit rate is now 20000000; Polarity updated RSSCOPE_ATTR_PROTOCOL_UART_BIT_RATE - rscope_ConfigureUARTThreshold - command changed RSSCOPE_ATTR_PROTOCOL_UART_TECHNOLOGY - rscope_ConfigureI2CThreshold - command changed RSSCOPE_ATTR_PROTOCOL_I2C_TECHNOLOGY - rscope_ConfigureSPIThreshold - command changed RSSCOPE_ATTR_PROTOCOL_SPI_TECHNOLOGY - rscope_QueryI2CFrameAllData - API changed, now returns array - rscope_QuerySPIFrameAllData - rscope_ConfigureMaskTestRescale - XOffset added - rscope_ConfigureI2CTriggerAddress - Condition added, Addres Max added, Address is now string - rscope_ConfigureI2CTriggerNoAck - attributes merged in to RSSCOPE_ATTR_PROTOCOL_I2C_TRIGGER_NO_ACK: - rscope_ConfigureSPITriggerData - condition added, position removed RSSCOPE_ATTR_PROTOCOL_SPI_TRIGGER_PATTERN - repeated capability changed - rscope_FetchWaveform - command changed - rscope_dataReadTrace - waiting for OPC added - rscope_reset - *WAI added <ul style="list-style-type: none"> - rscope_QueryMaskTestResults - changed syntax of commands - rscope_ConfigureSpectrumLimitCheckMargins - fixed, now uses correct attributes - rscope_InitiateAcquisition - waiting for OPC added for "Single" sweep RSSCOPE_ATTR_RUN_SINGLE <p>* New:</p> <ul style="list-style-type: none"> - rscope_ConfigureRecordLengthLimit |

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| | | <ul style="list-style-type: none"> - rsscope_ConfigureChannelDigitalFilter - rsscope_ConfigureChannelDigitalFilterTrigger - rsscope_ConfigureChannelExternalAttenuation - rsscope_ConfigureProbeAttenuation - rsscope_ConfigureReferenceOscillator - rsscope_ConfigureReferenceLevelRelativeUserLevels - rsscope_QueryI2CFrameLength - rsscope_ConfigureSPIFrameStart - rsscope_ConfigureTriggerOutSignal - rsscope_QueryTriggerOutDelay - rsscope_QueryHistoryAcquisitionsCount - rsscope_ConfigureEnvelopeMeasurement - rsscope_ConfigureI2CTriggerAddressORState - rsscope_ConfigureI2CTriggerAddressOR - rsscope_ConfigureI2CTriggerData - rsscope_ConfigureSPITriggerDataPosition |
| 1.1.0 | 03/2011 | <p>* Support for RTO version 1.10 added</p> <p>* Added subsystems:</p> <ul style="list-style-type: none"> - Probe - Calibration - Display - Histogram Display - Gate Measurement - Long Term And Statistics Measurement - Reference Level - Search - Protocol - Hardcopy - Math FFT Gating - Reference Waveform <p>* New functions:</p> <ul style="list-style-type: none"> - rsscope_ConfigureSerialBusTriggerSource - rsscope_ConfigureTriggerLinesDisplay - rsscope_ConfigureMeasurementDisplayIntermediateResults - rsscope_ConfigureMeasurementDisplayStyle - rsscope_ConfigureAmplitudeTimeSettings - rsscope_ConfigureAmplitudeTimeLimitCheck - rsscope_ConfigureAmplitudeTimeLimitCheckLimits - rsscope_ConfigureAmplitudeTimeLimitCheckMargins |

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| Revision | Date | Note |
| | | <ul style="list-style-type: none"> - rsscope_ConfigureEyeJitterLimitCheck - rsscope_ConfigureEyeJitterLimitCheckLimits - rsscope_ConfigureEyeJitterLimitCheckMargins - rsscope_ConfigureSpectrumSettings - rsscope_ConfigureSpectrumLimitCheck - rsscope_ConfigureSpectrumLimitCheckLimits - rsscope_ConfigureSpectrumLimitCheckMargins - rsscope_SelectHistogram - rsscope_ConfigureHistogramProbabilityDomainMarkerSettings - rsscope_ConfigureHistogramLimitCheck - rsscope_ConfigureHistogramLimitCheckLimits - rsscope_ConfigureHistogramLimitCheckMargins - rsscope_ReadReferenceLevelResult - rsscope_FetchMathWaveform - rsscope_FetchMathWaveformHeader - rsscope_FetchReferenceWaveform - rsscope_FetchReferenceWaveformHeader * Modified functions: - rsscope_ConfigureTrigger - rsscope_ConfigureWindowTriggerSource - rsscope_ConfigureFFTFrequencyStartStop * Removed functions: - rsscope_QueryMaskTestCount |
| 1.0.0 | 12/2010 | Initial release |

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