

IVI.NET driver history for the R&S® HMC8012 Driver Documentation

Products:

| R&S®HMC8012



Driver history for IVI.NET - C#, Visual Basic .NET

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1 Supported Instruments

In the following table, the supported R&S 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
HMC8012	1.400	

2 IVI.NET driver history

HmDmm Instrument Driver		
Driver history for C#, Visual Basic .NET		
Revision	Date	Note
1.6.1	04/2021	<ul style="list-style-type: none"> * New Core 2.14.1 * Fixed critical driver initialization error when Option Checking is ON
1.6.0	02/2011	<ul style="list-style-type: none"> * New driver core 2.13.0 * Changing namespace from Hameg to RohdeSchwarz
1.5.0	06/2019	<ul style="list-style-type: none"> - New driver core 2.5.0.0 - Included automatic repetition of a measurement when the instrument returns an invalid measured value, e.g. during changing the range in auto range mode. Affected methods: <ul style="list-style-type: none"> - driver.Measurement.Read() - driver.Measurement.Fetch() - driver.Base.Measure() - Added IVI-mandatory members to _driver.System - Changed interface IHmDmmUtilityFunctions: <ul style="list-style-type: none"> - Removed WriteToInstrument (replaced with _driver.System.WriteString) - Removed ReadInstrumentData (replaced with _driver.System.ReadString) - Removed ReadBinaryBlockToStream (Replaced with _driver.System.ReadBytes)
1.4.0	07/2017	<ul style="list-style-type: none"> * IVI.NET shared components 1.4.0 used * New properties/methods: <ul style="list-style-type: none"> - HmDmm.Base.ActualInstrumentConfiguration - HmDmm.FrequencyMeasurement.FreqCurrenAutotRange - HmDmm.FrequencyMeasurement.FreqCurrentRange - HmDmm.Continuity.ContinuityBeeper - HmDmm.Continuity.ContinuityThreshold - HmDmm.Diode.DiodeBeeper - HmDmm.Diode.DiodeThreshold - HmDmm.MeasurementSpecific.ADCRate - HmDmm.Math.MathDCPower - HmDmm.Data and File Management.DataLogging - HmDmm.Data and File Management.DataLoggingFileFormat - HmDmm.Data and File Management.DataLoggingMode - HmDmm.Data and File Management.DataLoggingTime - HmDmm.Data and File Management.DataLoggingMeasurementInterval - HmDmm.Data and File Management.DataLoggingMeasurementCount - HmDmm.TemperatureMeasurement.MeasureTemperature() - HmDmm.DataAndFileManagement.FileName() - HmDmm.DataAndFileManagement.ReadLoggingFileData() - HmDmm.DataAndFileManagement.DeleteLoggingFileData()

HmDmm Instrument Driver		
Driver history for C#, Visual Basic .NET		
Revision	Date	Note
		<ul style="list-style-type: none"> - HmDmm.DataAndFileManagement.NumberOfLoggingValues() - HmDmm.DataAndFileManagement.ListAllLoggingFilesData() * Modified properties/methods: <ul style="list-style-type: none"> - HmDmm.Hardcopy.Format - Added *WAI to SCPI command - HmDmm.Hardcopy.SizeX - Added *WAI to SCPI command - HmDmm.Hardcopy.SizeY - Added *WAI to SCPI command - HmDmm.UtilityFunctions.IDQueryResponse - Added empty callbacks and default value * Modified Range Tables: <ul style="list-style-type: none"> - MeasurementFunction.Sensor - HMDMM_ATTR_FUNCTION Command changed ("SENS", "TEMP") - MeasurementFunction.Sensor - HMDMM_ATTR_FUNCTION Enum name changed ("Sensor", "Temperature") - MeasurementFunction.Sensor - HMDMM_ATTR_FUNCTION Help changed ("Sets the DMM to sensor measurement function", "Sets the DMM to measure temperature") - MeasurementFunction.Capacitance - HMDMM_ATTR_FUNCTION Command changed ("CAP", "CAPA") - MeasurementFunction - HMDMM_ATTR_FUNCTION New items: FreqCurrent - MathFunction - HMDMM_ATTR_MATH_FUNCTION New items: Power
1.2.2	03/2017	<ul style="list-style-type: none"> - Changed only the installer, no changes to the driver assembly. - Added Example SimpleIviDmmClassExample
1.2.1	02/2016	<p>Installer compliant with IVI 3-17:</p> <ul style="list-style-type: none"> - side-by-side installation - more driver versions can be installed at the same time, older versions must be uninstalled manually - installation paths changed <ul style="list-style-type: none"> 64-bit driver installation path: "c:\Program Files\IVI Foundation\IVI\Microsoft.NET\Framework64\v4.0.30319\RohdeSchwarz.HmDmm 1.2.1.0" 32-bit driver installation path: "c:\Program Files (x86)\IVI Foundation\IVI\Microsoft.NET\Framework32\v4.0.30319\RohdeSchwarz.HmDmm 1.2.1.0"
1.2.0	05/2016	<ul style="list-style-type: none"> * New properties/methods: <ul style="list-style-type: none"> - HmDmm.UtilityFunctions.AddStreamLogger() - HmDmm.UtilityFunctions.RemoveStreamLogger() - HmDmm.UtilityFunctions.WriteStringToLog() - HmDmm.UtilityFunctions.WriteToInstrument() - HmDmm.UtilityFunctions.ReadInstrumentData() - HmDmm.UtilityFunctions.ReadBinaryBlockToStream() - HmDmm.UtilityFunctions.QueryBool() - HmDmm.UtilityFunctions.QueryInt32()

HmDmm Instrument Driver		
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		<ul style="list-style-type: none"> - HmDmm.UtilityFunctions.QueryDouble() - HmDmm.UtilityFunctions.QueryString() - HmDmm.UtilityFunctions.Reset() - HmDmm.UtilityFunctions.SelfTest() - HmDmm.UtilityFunctions.ErrorMessage() - HmDmm.UtilityFunctions.RevisionQuery() - HmDmm.UtilityFunctions.Delay() - HmDmm.UtilityFunctions.ErrorQueryAll() - HmDmm.UtilityFunctions.IDNQueryResponse - HmDmm.UtilityFunctions.ProcessAllPreviousCommands - HmDmm.UtilityFunctions.ClearStatus - HmDmm.UtilityFunctions.Logging - HmDmm.UtilityFunctions.OPCTimeout - HmDmm.UtilityFunctions.QueryOPC - HmDmm.UtilityFunctions.VisaTimeout - HmDmm.UtilityFunctions.VisaManufacturer - HmDmm.UtilityFunctions.OptionChecking <p>* Modified properties/methods:</p> <ul style="list-style-type: none"> - HmDmm.Hardcopy.Format - Added *WAI to SCPI command - HmDmm.Hardcopy.SizeX - Added *WAI to SCPI command - HmDmm.Hardcopy.SizeY - Added *WAI to SCPI command - HmDmm.UtilityFunctions.IDQueryResponse - Added empty callbacks and default value - HmDmm.UtilityFunctions.IDNQueryResponse - SCPI Command added, changed to read-only. <p>* Modified Range Tables:</p> <ul style="list-style-type: none"> - TemperatureSensorType.Pt100 - Description changed ("Pt 100", "") - TemperatureSensorType.Pt500 - Description changed ("Pt 500", "") - TemperatureSensorType.Pt1000 - Description changed ("Pt 1000", "")
1.0.0	04/2013	* Initial Release

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Regional contact

Europe, Africa, Middle East

+49 89 4129 12345

customersupport@rohde-schwarz.com

North America

1-888-TEST-RSA (1-888-837-8772)

customer.support@rsa.rohde-schwarz.com

Latin America

+1-410-910-7988

customersupport.la@rohde-schwarz.com

Asia/Pacific

+65 65 13 04 88

customersupport.asia@rohde-schwarz.com

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Rohde & Schwarz GmbH & Co. KG

Mühlendorfstraße 15 | D - 81671 München

Phone + 49 89 4129 - 0 | Fax + 49 89 4129 - 13777

www.rohde-schwarz.com