

# LabWindows/CVI, VXIplug driver history for the R&S® HMC8012 Driver Documentation

## Products:

| R&S®HMC8012



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

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# 1 Supported Instruments

In the following table the supported R&S instruments and firmware versions are listed:

<b>Which instruments are supported?</b>		
<b>Current revision of instrument driver supports these instruments and firmware versions:</b>		
<b>Instrument</b>	<b>Supported Firmware</b>	<b>Remarks</b>
HMC8012	1.400	

## 2 LabWindows/CVI and VXIplug&play driver history

hmdmm Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for C/C++, VEE, etc.		
Revision	Date	Note
1.5.1	05/2020	<ul style="list-style-type: none"> <li>- Fixed init problem when compiled in LabWindows/CVI</li> <li>- Added feature to use an external Visa Session</li> <li>- Added hmdmm_GetOPCTimeout(), hmdmm_SetOPCTimeout()</li> <li>- Improved help for hmdmm_init(), hmdmm_InitWithOptions()</li> <li>- Optimized help texts for status codes</li> </ul> <p>* New driver core 3.8.0</p>
1.5.0	06/2019	<p>* New driver core 3.5.0</p> <p>* Improved</p> <ul style="list-style-type: none"> <li>- Included automatic repetition of a measurement when the instrument returns an invalid measured value, e.g. during changing the range in auto range mode.</li> </ul> <p>Affected functions:</p> <ul style="list-style-type: none"> <li>- hmdmm_Measure</li> <li>- hmdmm_FetchMeasurement</li> <li>- hmdmm_ReadMeasurement</li> </ul> <p>* New</p> <ul style="list-style-type: none"> <li>- hmdmm_ConfigureAutoSystemErrQuery</li> <li>- hmdmm_ConfigureMultiThreadLocking</li> <li>- hmdmm_GetOpcTimeout / hmdmm_SetOpcTimeout</li> <li>- hmdmm_GetAttributeRepCapName</li> </ul>
1.4.0	06/2017	<p>* New</p> <ul style="list-style-type: none"> <li>- hmdmm_BeeperMeasurementState</li> <li>- hmdmm_ThresholdMeasurement</li> <li>- hmdmm_TemperatureMeasurement</li> <li>- hmdmm_ADCRate</li> <li>- hmdmm_DataLogging</li> <li>- hmdmm_ConfigureDataLogging</li> <li>- hmdmm_SetDataLoggingFileName</li> <li>- hmdmm_ReadLoggingFileData</li> <li>- hmdmm_DeleteLoggingFileData</li> <li>- hmdmm_GetNumberOfLoggingFiles</li> <li>- hmdmm_ListAllLoggingFilesData</li> </ul> <p>* Modified</p> <ul style="list-style-type: none"> <li>- hmdmm_Measure</li> <li>- hmdmm_ReadMeasurement</li> <li>- hmdmm_ActiveMathOperation</li> <li>- hmdmm_MeasurementFunction</li> </ul>

hmdmm Instrument Driver		
Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for C/C++, VEE, etc.		
Revision	Date	Note
		<ul style="list-style-type: none"> <li>- hmdmm_SetRange</li> <li>- hmdmm_Configure</li> </ul>
1.2.0	05/2016	<ul style="list-style-type: none"> <li>* New</li> <li>- hmdmm_ClearStatus</li> <li>- hmdmm_IDQueryResponse</li> <li>- hmdmm_ProcessAllPreviousCommands</li> <li>- hmdmm_QueryOPC</li>   <li>* New attributes:</li> <li>- HMDMM_ATTR_PROCESS_ALL_PREVIOUS_COMMANDS (Process All Previous Commands)</li> <li>- HMDMM_ATTR_LOGGING (Logging)</li>   <li>* Modified attributes:</li> <li>- HMDMM_ATTR_HARDCOPY_FORMAT (Hardcopy Format) - Added *WAI to SCPI command</li> <li>- HMDMM_ATTR_HARDCOPY_SIZE_X (Hardcopy Size X) - Added *WAI to SCPI command</li> <li>- HMDMM_ATTR_HARDCOPY_SIZE_Y (Hardcopy Size Y) - Added *WAI to SCPI command</li> <li>- HMDMM_ATTR_ID_QUERY_RESPONSE (ID Query Response) - Added empty callbacks and default value</li>   <li>* Modified Range Tables:</li> <li>- HmDmm_rngTemperatureSensorType.HMDMM_VAL_SENSOR_PT100 - Description changed ("Pt 100", "")</li> <li>- HmDmm_rngTemperatureSensorType.HMDMM_VAL_SENSOR_PT500 - Description changed ("Pt 500", "")</li> <li>- HmDmm_rngTemperatureSensorType.HMDMM_VAL_SENSOR_PT1000 - Description changed ("Pt 1000", "")</li> </ul>
1.1.0	03/2016	<ul style="list-style-type: none"> <li>* Modified:</li> <li>- USB-VCP and USB-TMC support added</li> <li>- Support for alternative ID Query string</li> <li>- cosmetic changes in documentation</li> </ul>
1.0.0	07/2013	* Initial Release

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