LabWindows/CVI, VXIpnp driver history for the R&S® HMP Power Supplies Family

Products:

R&S® HMP40xx / 20xx



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

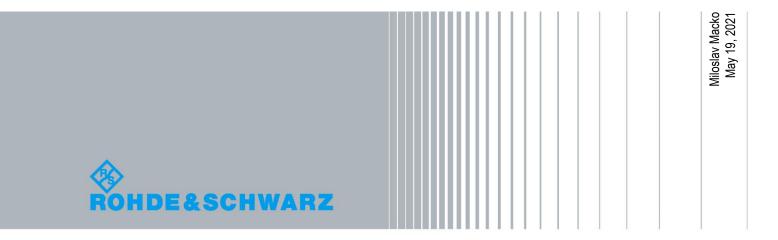


Table of Contents

1	Supported Instrument 3
2	LabWindows/CVI and VXIplug&play driver history 4

1 Supported Instrument

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			
HMP4030					
HMP4040	0.70				
HMP2020	2.70				
HMP2030					

2 LabWindows/CVI and VXIplug&play driver history

hmp4000 Instrument Driver Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for C/C++, VEE, etc.					
3.0.0	05/2021	* New Core 4.0.0. The core is incompatible with the Cores 3.x. If you work with drivers that use both core 4.x and 3.x, please contact our customer support, we will update your Core 3.x drivers to the newest version. * Improved help for hmp4000_init(), hmp4000_InitWithOptions()			
		* Optimized help texts for status codes			
		* Added functions:			
		- hmp4000_SetVisaTimeout			
		- hmp4000_GetVisaTimeout			
		- hmp4000_ConfigureAutoSystemErrQuery			
		- hmp4000_ConfigureMultiThreadLocking			
		- hmp4000_GetAttributeRepCapName			
		* Removed functions:			
		- hmp4000_CheckAttributeXXX			
		- hmp4000_ReadInstrData			
		- hmp4000_GetAttributeViSession			
		- hmp4000_SetAttributeViSession			
2.6.5	02/2020	* Changing repeated capability 'channel' to 'Channel', from lower case 'ch1,ch2,ch3,ch4' to upper case 'CH1,CH2,CH3,CH4'			
		* New functions:			
		- hmp4000_ConfigureOverVoltageProtectionMode			
		* Updated functions:			
		- hmp4000_ConfigureCombinedVoltageAndCurrent - using APPLy SCPI command			
2.6.2	11/2018	Optimized performance for all interfaces			
		Fixed attributes:			
		HMP4000_ATTR_SYSTEM_LOCAL			
		HMP4000_ATTR_SYSTEM_REMOTE			
		HMP4000_ATTR_SYSTEM_REMOTE_LOCK			
		HMP4000_ATTR_SYSTEM_REMOTE_MIX			
2.6.0	04/2018	* Adjusted for HMP firmware 2.62			
		* Fixed hmp4000_Initialize VI_ERROR_FAIL_ID_QUERY error			
		* Added USB-TMC support			
		* Optimized performance for all interfaces			

hmp4000 Instrument Driver					
Driver history for LabWindows/CVI and VXIplug&play Instrument Driver for C/C++, VEE, etc.					
Revision	Date	Note			
		* Fixed hmp4000_self_test			
		* Fixed hmp4000_error_query			
		New:			
		hmp4000_ConfigureErrorChecking			
2.1.0	06/2016	* Fixed 64-bit driver			
		* New functions:			
		- hmp4000_RemoteMode			
		- hmp4000_GetChannel			
		- hmp4000_ConfigureGeneralOutputState			
		- hmp4000_ConfigureOutputStateChannelOnly			
		- hmp4000_ClearStatus			
		- hmp4000_IDQueryResponse			
		- hmp4000_ProcessAllPreviousCommands			
		- hmp4000_QueryOPC			
		* Updated functions:			
		- hmp4000_error_query - reads out all errors			
		- hmp4000_GetError			
		- hmp4000_ConfigureChannel - help updated			
		- hmp4000_ConfigureOutputState - help updated			
2.0.0	12/2015	* Added support for MHP4030, HMP4040, HMP2000, HMP2020, HMP2030			
		* Driver core updated			
1.0.1	12/2010	Fixed InitWithOptions - failure if init did not pass			
1.0.0	03/2010	Initial release			

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Environmental commitment

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

ISO 9001

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