

LabWindows/CVI, VXIplug 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.

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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 HMP2020 HMP2030	2.70	

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.		
Revision	Date	Note
3.0.0	05/2021	<ul style="list-style-type: none"> * 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: <ul style="list-style-type: none"> - hmp4000_SetVisaTimeout - hmp4000_GetVisaTimeout - hmp4000_ConfigureAutoSystemErrQuery - hmp4000_ConfigureMultiThreadLocking - hmp4000_GetAttributeRepCapName * Removed functions: <ul style="list-style-type: none"> - hmp4000_CheckAttributeXXX - hmp4000_ReadInstrData - hmp4000_GetAttributeViSession - hmp4000_SetAttributeViSession
2.6.5	02/2020	<ul style="list-style-type: none"> * Changing repeated capability 'channel' to 'Channel', from lower case 'ch1,ch2,ch3,ch4' to upper case 'CH1,CH2,CH3,CH4' * New functions: <ul style="list-style-type: none"> - hmp4000_ConfigureOverVoltageProtectionMode * Updated functions: <ul style="list-style-type: none"> - hmp4000_ConfigureCombinedVoltageAndCurrent - using APPLY SCPI command
2.6.2	11/2018	<p>Optimized performance for all interfaces</p> <p>Fixed attributes:</p> <p>HMP4000_ATTR_SYSTEM_LOCAL</p> <p>HMP4000_ATTR_SYSTEM_REMOTE</p> <p>HMP4000_ATTR_SYSTEM_REMOTE_LOCK</p> <p>HMP4000_ATTR_SYSTEM_REMOTE_MIX</p>
2.6.0	04/2018	<ul style="list-style-type: none"> * 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
		<ul style="list-style-type: none"> * Fixed hmp4000_self_test * Fixed hmp4000_error_query <p>New:</p> <ul style="list-style-type: none"> hmp4000_ConfigureErrorChecking
2.1.0	06/2016	<ul style="list-style-type: none"> * Fixed 64-bit driver * New functions: <ul style="list-style-type: none"> - hmp4000_RemoteMode - hmp4000_GetChannel - hmp4000_ConfigureGeneralOutputState - hmp4000_ConfigureOutputStateChannelOnly - hmp4000_ClearStatus - hmp4000_IDQueryResponse - hmp4000_ProcessAllPreviousCommands - hmp4000_QueryOPC * Updated functions: <ul style="list-style-type: none"> - hmp4000_error_query - reads out all errors - hmp4000_GetError - hmp4000_ConfigureChannel - help updated - hmp4000_ConfigureOutputState - help updated
2.0.0	12/2015	<ul style="list-style-type: none"> * 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



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