R&S®HMP Series Power Supply

More flexibility with up to 4 channels in a compact instrument

The perfect choice for

- Engineering lab
- Production testing
- Maintenance & repair
- General purpose

Key features

Up to four channels in one instrument – the R&S®HMP power supply units are ideal for use in industrial production environments and in development labs. Depending on the model, the total operating performance is 188 W or 384 W, offering 80 W or 160 W per channel.

Low residual ripple due to linear post-regulators and high setting/read-back resolution make it the right choice for any sophisticated application. Remote sensing eliminates voltage drops on the load leads in order to compensate long leads to the DUT. Comfortable programming features and 19" rack-mount kits ensure perfect integration in production environments.

Key specifications	
No. of channels	2, 3 or 4
Max. voltage	32 V
Max. current	5 A or 10 A
Max. power	188 W or 384 W
Overvoltage protection	Adjustable for each channel
Channel combining	FuseLink technology
Arbitrary V/I curves	EasyArb function

Your benefit	Features
Up to 4 channels in a single compact box	The flexible R&S®HMP family offers up to 4 channels, including sense lines for each, allowing the right configuration for any specific application
Flexible channel configurations for up to 120 V or 40 A, including controllable overcurrent protection	▮ Up to 10 A per channel ▮ Each channel is galvanically isolated ▮ FuseLink allows you to freely combine the electronic fuses in each channel
Easily programmable time/voltage or time/current curves	Configure EasyArb on the front panel, or choose remotely programmed time/voltage or time/current curves

▷ For more information,
see www.rohde-schwarz.com/product/HMP

Parallel & serial operating mode

The integrated power management function also ensures intelligent power distribution over each channel.

- In the parallel operating mode, channels can be bundled to achieve higher currents
- In the serial operating mode, channels can be combined for a maximum of up to 120 V

Ordering information

Base units				
Model	**R&S®HMP4040**	**R&S®HMP4030**	**R&S®HMP2030**	**R&S®HMP2020**
Output voltage per channel	0 V to 32 V			
Output current per channel	0 A to 10 A		0 A to 5 A	1 x 0 A to 10 A 1 x 0 A to 5 A
Maximum output power per channel	160 W		80 W	1 x 160 W 1 x 80 W
Total output power	384 W		188 W	
Channels	4	3	3	2

Industrial production environment

All front panel connectors, including sense lines, are also located on the rear panel of the instrument.

Informative display

The measured output voltage and current as well as the resulting output power are displayed in real time.

Interfaces and system components

Description	Type
Dual interface Ethernet/USB	R&S®HO732
Interface IEEE-488 (GPIB)	R&S®HO740
19" rackmount kit, 2 HU (for R&S®HMP20xx)	R&S®HZ42
19" rackmount kit, 4 HU (for R&S®HMP40xx)	R&S®HZP91

Included accessories:
All models include operating manual, power cable and three-year warranty.

EasyArb

EasyArb is the time/current flow or time/voltage curve that is freely programmable by channel, with up to 128 points. Programming is possible via remote software or directly on the instrument.

FuseLink

Overcurrent/overvoltage protection can be set for each channel individually. The electronic fuses can be linked to other channels. In this case, all linked channels will be switched off as soon as one reaches a limit.

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The R&S®HMP Series Power Supply
Data without tolerance limits is not binding | Subject to change