ROHDE&SCHWARZ
Make ideas real

R&S®HMP SERIES POWER SUPPLIES
Up to four channels in a single instrument

The perfect choice for

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

Key features

R&S®HMP power supplies are primarily designed for industrial use – for production environments as well as for development labs. These rugged instruments offer high efficiency with low residual ripple and many protection functions.

► Four models:
  2 or 3 channels with 188 W total output power,
  3 or 4 channels with 384 W total output power
► Galvanically isolated, floating outputs with overload and short-circuit protection
► Remote sensing eliminates voltage drops on the load leads
► Comfortable programming features and 19" rack adapters 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
Overcurrent protection, electronic fuse	adjustable for each channel, including FuseLink technology
Arbitrary V/I curves	EasyArb function

Your benefit	Features
Up to 4 channels in a single compact box	Flexible configuration for any specific application; including sense lines for each channel to compensate voltage drops over the supply leads
Channels galvanically isolated and floating	Serial operation with up to 128 V or parallel operation with up to 40 A
Overcurrent protection (electronic fuse) and overvoltage protection	To safeguard instrument and DUT. The FuseLink function switches off all selected channels when one reaches its current limit
Easily programmable time/voltage or time/current curves	To vary voltage or current during a test sequence; can be programmed manually via the user interface or via the external interfaces

For price and more information:
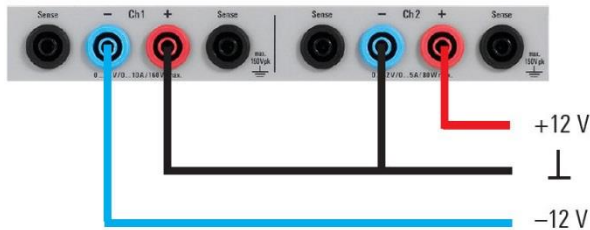

R&S®HMP2000 series
www.rohde-schwarz.com/product/HMP

R&S®HMP4000 series
www.rohde-schwarz.com/product/HMP4000

Connections on front and rear panels

Connections for all channels – including sense – are also provided on the rear panel

Intuitive to use - color coding and operating states

All basic R&S®HMP power supply functions can be operated directly via keys on the front panel. It is only necessary to use the menu level for special functions that are needed less frequently. All settings and operating conditions, including the output power and the status of the protection functions, are shown on the display and indicated by the colors of the illuminated channel keys.

The colors of the illuminated keys indicate the different operating conditions:
► Active channel in constant voltage mode: green
► Active channel in constant current mode: red
► Channel in setting mode: blue

All channels galvanically isolated and floating

The circuitry of each single channel is completely isolated from the others; there is no connection to chassis ground. This makes it easy to combine the channels to drive balanced circuitries that might need +12 V/-12 V, for example, and avoids ground problems in complex DUTs.

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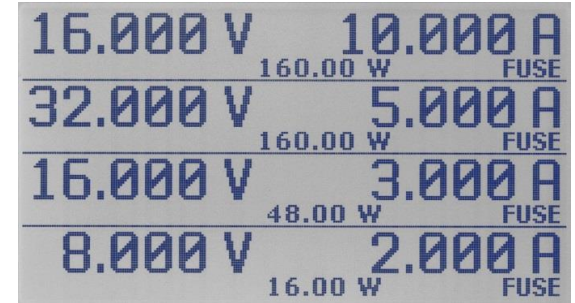
Base units	R&S®HMP2020	R&S®HMP2030	R&S®HMP4030	R&S®HMP4040
Channels	2	3	3	4
Output voltage per channel	0 V to 32 V	0 V to 32 V	0 V to 32 V	0 V to 32 V
Output current per channel	Ch 1: 0 A to 10 A Ch 2: 0 A to 5 A	0 A to 5 A	0 A to 10 A	0 A to 10 A
Total output power	188 W	188 W	384 W	384 W
Maximum output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

Interface options and system components

Description	Item
Dual interface RS-232/USB	R&S®HO720
Dual interface USB/LAN	R&S®HO732
IEEE-488 (GPIB) interface	R&S®HO740
19" rack adapter, 2 HU (for R&S®HMP2020/HMP2030)	R&S®HZ42
19" rack adapter, 4 HU (for R&S®HMP4030/HMP4040)	R&S®HZP91

Included accessories and interfaces:
All models include quick start guide, set of power cables and three-year warranty.