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# R&S®HMC804x POWER SUPPLY

## Compact and easy to use


### The perfect choice for

- Engineering lab
- Production testing
- Education
- Maintenance & repair

### Key features

One, two or three channels – the R&S®HMC804x power supplies with their specifications and wide range of functions are ideal for use in development labs and industrial environments. Thanks to their high energy efficiency, the linear power supplies remain cool and quiet, even at maximum load. Practical interfaces and connectors allow users to work quickly and conveniently with the R&S®HMC804x. Convenient functions enable the instruments to be used in special applications.

| Key specifications | R&S® HMC8041 | R&S® HMC8042 | R&S® HMC8043 |
|---|---|---|---|
| Number of channels | 1 | 2 | 3 |
| Max. power per channel | 100 W | 50 W | 33 W |
| Total power output | 100 W | | |
| Output voltage per channel | 0 V to 32 V | | |
| Max. output current per channel | 10 A | 5 A | 3 A |
| Resolution | 1 mV/1 mA | | |
| Overvoltage protection | adjustable per channel | | |
| Overcurrent protection | FuseLink technology | | |
| Arbitrary V/I curves | EasyArb function | | |

| Your benefit | Features |
|---|---|
| Clear display of all measured parameters | The brilliant color display shows voltage current and power values in real time |
| Flexible channel configurations for up to 90 volts | All channels are galvanically isolated and can be combined to drive balanced circuitries or for higher voltages/currents |
| Flexible overcurrent protection | ► FuseLink allows you to freely combine the electronic fuses in each channel<br>► A fuse delay can be set to prevent too early switch-off due to a short current spike |
| Programmable time/voltage or time/current sequences | Arbitrary waveforms can be generated for voltage and current. Function can be configured and executed via control panel or external interface |
| EasyRamp function | After switching on, voltage will increase practically linear to the set value |

For price and more information:
www.rohde-schwarz.com/catalog/HMC804x

## Ideal for industrial environments

Power supply units in industrial production are often found in 19" racks. All R&S®HMC804x models can be integrated into 19" racks with the R&S®HZC95 rackmounting kits.

## WAGO cage clamp


To facilitate typical calibration setups, the rear panel connector was designed with a WAGO cage clamp

## Ordering information

| Model | Channel | Power | GPIB |
|---|---|---|---|
| R&S®HMC8041 | 1 | 100 W (max. 10 A) | No |
| R&S®HMC8041-G | 1 | | Yes |
| R&S®HMC8042 | 2 | 100 W (50 W/channel, max. 5 A) | No |
| R&S®HMC8042-G | 2 | | Yes |
| R&S®HMC8043 | 3 | 100 W (33 W/channel, max. 3 A) | No |
| R&S®HMC8043-G | 3 | | Yes |

| System component | |
|---|---|
| **Description** | **Item** |
| System component | R&S®HZC95 |

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

## Electronic fuses, overvoltage protection

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. Even the delay time can be set to prevent premature switch-off due to short current spikes.

## EasyRamp function

Sometimes test sequences should avoid the abrupt rise of the supply voltage. The EasyRamp function allows users to simulate a startup curve. After the channels are switched on, the increase in output voltage will be practically linear to the set voltage value within a defined time span.

## EasyArb

EasyArb is the time/current flow or time/voltage curve that is freely programmable by channel, with up to 512 points. Programming is possible via remote software or directly on the instrument.

## Sequencing function

The R&S®HMC804x power supply includes a sequencing function that can be adjusted via a menu. Sequencing enables you to automatically and consecutively connect available channels to the device under test, with adjustable time offsets when the MASTER ON/OFF key is activated.

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