

# R&S®HZ-9

## Power Supply

### For active antennas and EMI accessories



# R&S®HZ-9 Power Supply At a glance

The R&S®HZ-9 power supply is a bipolar, constant voltage source for the R&S®HFH2-Z2 and R&S®HFH2-Z6 active antennas, the R&S®ESH2-Z2 active voltage probe, the R&S®EZ-12 antenna impedance converter and the R&S®HZ-14 probe set for E and H near-field measurements in situations where these instruments cannot be supplied directly from a measuring receiver or when it is not possible to connect the instrument to the measuring receiver (standalone operation). The R&S®HZ-9 power supply can also be used in other applications.

The constant voltage source is designed as a low-noise linear regulator and is ideal for EMI measurements in shielded rooms. To allow direct connection of active instruments, the 12-pin socket on the front panel is the same type and has the same pin assignment as the sockets on the front panels of the Rohde&Schwarz measuring receivers.

## Key facts

- Low-noise linear regulator
- Output voltage  $\pm 10$  V
- Load capacity up to 100 mA
- Selectable AC power 115 V and 230 V
- Instrument connection compatible with Rohde&Schwarz measuring receivers



# Specifications

Specifications		
Output voltage		$\pm 10 \text{ V} \pm 0.1 \text{ V}$
Max. permissible output current	per output (polarity)	100 mA
Short-circuit current		< 50 mA
Output voltage drift	AC power fluctuation $\pm 10\%$	< 10 mV
Output voltage drift	load fluctuation 10% to 90%	< 20 mV
Hum voltage	RMS value	< 2 mV
Connectors		
DC connector		Tuchel female, 12-pin
AC voltage range	manually selectable	
	115 V setting	100 V to 120 V $\pm 10\%$
	230 V setting	220 V to 240 V $\pm 10\%$
Max. current consumption		500 mA
AC frequency range		50 Hz to 60 Hz $\pm 5\%$
General data		
Operating temperature range		+5°C to +45°C
Storage temperature range		-40°C to +70°C
Electrical safety	see safety instructions in manual	in line with IEC/EN 60950-1
EMC		in line with IEC/EN 61326
	emissions	class B (residential)
	immunity	industrial
Overall dimensions	W x H x D	129 mm x 67 mm x 205 mm (5.08 in x 2.64 in x 8.07 in)
Weight		1.7 kg (3.7 lb)

# Ordering information

Designation	Type	Order No.
<b>Base unit</b>		
Power Supply	R&S®HZ-9	0816.1015.03
<b>Included accessories</b>		
Manual, power cable, three 12-pin cable connectors		

Rear view of the R&S®HZ-9.

