

R&S®HZ-9 Power Supply For active antennas and EMI accessories



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ROHDE & SCHWARZ

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 ± 10 V
- ▮ Load capacity up to 100 mA
- ▮ Selectable AC power 115 V and 230 V
- ▮ Instrument connection compatible with Rohde & Schwarz measuring receivers



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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 $+45^\circ\text{C}$
Storage temperature range		-40°C to $+70^\circ\text{C}$
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.
Base unit		
Power Supply	R&S®HZ-9	0816.1015.03
Included accessories		
Manual, power cable, three 12-pin cable connectors		

Rear view of the R&S®HZ-9.



Service you can rely on

- | Worldwide
- | Local and personalized
- | Customized and flexible
- | Uncompromising quality
- | Long-term dependability

About Rohde & Schwarz

Rohde & Schwarz is an independent group of companies specializing in electronics. It is a leading supplier of solutions in the fields of test and measurement, broadcasting, radiomonitoring and radiolocation, as well as secure communications. Established more than 75 years ago, Rohde & Schwarz has a global presence and a dedicated service network in over 70 countries. Company headquarters are in Munich, Germany.

Environmental commitment

- | Energy-efficient products
- | Continuous improvement in environmental sustainability
- | ISO 14001-certified environmental management system

Certified Quality System
ISO 9001

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