

R&S® HMC8012 Digital Multimeter

See more – up to three results in parallel



The perfect choice for

General purpose

Engineering lab

Production testing

Hobbyists

Key specifications

Measurement range	DC to 100 kHz
Basic DC accuracy	0.015 %
Number of digits	5 ¾ digit
Resolution	1 µV, 100 nA, 1 mΩ, 1 pF, 1 Hz, 0.1 °C,

Key features

- True RMS measurement, AC, AC + DC
- Simultaneous display of three measurement functions, e.g. DC + AC + statistics
- Measurement functions: DCV, DCI, ACV, ACI, frequency, resistance (2- and 4-wire), temperature, capacitance, diode and continuity test
- Mathematic functions: limit testing, minimum, maximum, average, offset, DC power, calculation of dB and dBm
- Data logging to internal memory or USB stick

Your benefit

See more at a glance with three values displayed on one screen

Limit testing on color display for easy minimum/maximum analysis

10 A range as standard

Saves up to 4 GB of data directly onto storage devices

Features

Measured voltage, measured current, calculated power

Programmable test functions such as limit, min./max., etc.

One current input with up to 10 A and no need to change connectors for different ranges

Writes directly to USB thumb drive

► For more information,
see www.rohde-schwarz.com/product/HMC8012

Simultaneous measurement display



Simultaneous display of three measurements, including DCI and ACI at the same time.

Ideal for industrial environments



Easily slots into R&S HZC95 2 HU 19" rackmount kit for production environment.

Ordering information

Base units	
Description	Model
without GPIB	R&S HMC8012
with GPIB	R&S HMC8012-G

Accessories and system component

Description	Type
PT100 temperature probe, 2-wire	R&S HZ812
PT100 temperature probe, 4-wire	R&S HZ887
Silicone test leads (included with base unit)	R&S HZ15
19" rackmount kit, 2 HU for HMC series	R&S HZC95

Included accessories:

All models include R&S HZ15 silicone test leads with safety connectors and test probe, length: 1 m (black + red), operating manual, power cable and three-year warranty.

Application	How the HAMEG R&S HMC8012 meets your needs
General purpose	- Clear 5 3/4-digit display - Quick and easy measurement - High resolution and accuracy - Extremely useful in service and repair centers, training centers, universities and schools
Engineering lab	- Wide frequency range from DC to 100 kHz - Accurate four-wire resistance measurement - Long-term data logging capability - Fanless design
Production environment	- LXI-compliant Ethernet interface - USB and Ethernet interface, GPIB (HMC8012-G only) - SCPI remote control functionality - LabVIEW drivers available

Rohde & Schwarz Representative

Rohde & Schwarz GmbH & Co. KG

Europe, Africa, Middle East | +49 89 4129 12345
 North America | 1 888 TEST RSA (1 888 837 87 72)
 Latin America | +1 410 910 79 88
 Asia Pacific | +65 65 13 04 88
 China | +86 800 810 82 28 | +86 400 650 58 96
www.rohde-schwarz.com
customersupport@rohde-schwarz.com

R&S® is a registered trademark of Rohde & Schwarz GmbH & Co. KG
 PD 5214.9350.32 | Version 01.00 | July 2017 (ks)
 Trade names are trademarks of the owners
 The R&S HMC8012 Digital Multimeter
 Data without tolerance limits is not binding | Subject to change
 © 2017 Rohde & Schwarz GmbH & Co. KG | 81671 Munich, Germany