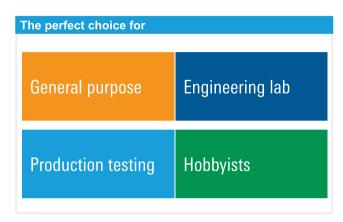
# R&S®HMC8012 Digital Multimeter

# See more – up to three results in parallel





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	Features
See more at a glance with three values displayed on one screen	Measured voltage, measured current, calculated power
Limit testing on color display for easy minimum/maximum analysis	Programmable test functions such as limit, min./max., etc.
10 A range as standard	One current input with up to 10 A and no need to change connectors for different ranges
Saves up to 4 GB of data directly onto storage devices	Writes directly to USB thumb drive

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

# Simultaneous measurement display Slow Trig Local Log GPIB Auto Range O.11264 A... Range Up Range: 24 O.11264 A... Range Up Range: 40V State Null: 0.0000V State Min: 9.8822V Max: 9.8822V Max: 9.8822V Max: 9.8824V Mean: 9.8826V Count: 661

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



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

Application	How the HAMEG R&S®HMC8012 meets your needs
General purpose	<ul> <li>Clear 5¾-digit display</li> <li>Quick and easy measurement</li> <li>High resolution and accuracy</li> <li>Extremely useful in service and repair centers, training centers, universities and schools</li> </ul>
Engineering lab	<ul> <li>Wide frequency range from DC to 100 kHz</li> <li>Accurate four-wire resistance measurement</li> <li>Long-term data logging capability</li> <li>Fanless design</li> </ul>
Production environment	<ul> <li>LXI-compliant Ethernet interface</li> <li>USB and Ethernet interface, GPIB (HMC8012-G only)</li> <li>SCPI remote control functionality</li> <li>LabVIEW drivers available</li> </ul>

## **Ordering information**

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

Accessories and system component			
Description	Туре		
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.

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 01.10 | August 2017 (ks)

Trade names are trademarks of the owners | R&S®HMC8012 Digital Multimeter | Data without tolerance limits is not binding

Subject to change | © 2017 Rohde & Schwarz GmbH & Co. KG | 81671 Munich, Germany