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	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

ROHDE & SCHWARZ

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 5¾-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