ROHDE&SCHWARZ
Make ideas real

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

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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

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	
without GPIB	R&S®HMC8012
with GPIB	R&S®HMC8012-G
Accessories and system component	
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