### ROHDE&SCHWARZ

Make ideas real



## R&S®HMC8012 DIGITAL MULTIMETER

# See more — up to three results in parallel



### **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

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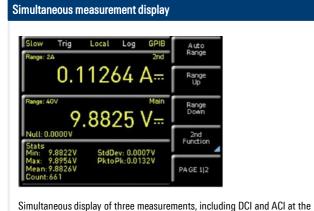
General purpose Engineering lab

**Production testing** 

Hobbyists

Key specifications	
Measurement range	DC to 100 kHz
Basic DC accuracy	0.015 %
Number of digits	5 ¾ digit
Resolution	1 $\mu$ V, 100 nA, 1 m $\Omega$ , 1 pF, 1 Hz, 0.1 °C,

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





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	
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 $^{\circ}$ HZ15 silicone test leads with safety connectors and test probe, length: 1 m (black + red), operating manual, power cable and three-year warranty.