

## R&S®HMC8015 Power Analyzer



### Key facts

- ▮ Measurement range: DC to 100 kHz
- ▮ Measurement rate: 500 ksamples/s
- ▮ Simultaneous display of voltage and current, each with 16-bit resolution
- ▮ Basic accuracy: 0.05%
- ▮ 26 measurement and mathematical functions
- ▮ Data logging to USB flash drive in CSV format or remotely via interface
- ▮ Oscillographic waveform diagram (option)
- ▮ Display of harmonics as a bargraph or table (option)
- ▮ Realtime integrator
- ▮ Limit tests with pass/fail indication (option)
- ▮ In line with ENERGY STAR, EN 50160, EN 50564, EN 61000-3-2, IEC 62301 (option)

# New

Simultaneous acquisition of voltage and current, high resolution, and a perfect balance between sampling rate and bandwidth: top-class technical characteristics and a wide range of functions make the R&S®HMC8015 power analyzer a practical choice for development labs and industrial environments, for service and support and for educational settings. State-of-the-art, powerful technology coupled with versatile and practical connection options meet the needs of a broad variety of users while satisfying demanding customer requirements.

### Models/options

Designation	Type	Order No.
Power Analyzer	R&S®HMC8015	3593.8646.02
Power Analyzer, incl. IEEE-488 (GPIB) interface	R&S®HMC8015-G	3593.8875.02
Advanced Analysis Option, voucher	HVC151	3622.0795.02
Advanced I/O Option, voucher	HVC152	3622.3788.02
OneBox Tester Option, voucher	HVC153	3622.3794.02
Power Adapter for R&S®HMC8015, EU plug	R&S®HMC815-EU	3593.8850.02
Power Adapter for R&S®HMC8015, GB plug	R&S®HMC815-GB	3622.2246.02
Power Adapter for R&S®HMC8015, USA plug	R&S®HMC815-USA	3622.2252.02
AC/DC Current Probe, 30 A, 4 mm connector	R&S®HMC50	3622.4690.02
AC/DC Current Probe, 1000 A, 4 mm connector	R&S®HMC51	3622.4684.02

Application	How the R&S®HMC8015 meets your needs
General purpose	<ul style="list-style-type: none"> <li>▮ Easy setup and fast startup through autoranging and automated AC/DC switchover</li> <li>▮ Simultaneous display of up to 10 measured or calculated values</li> <li>▮ Simultaneous logging of up to 10 measured values on USB stick in CSV format</li> <li>▮ Remote control via standard interfaces and driver suite</li> </ul>
Measurement of power requirements (battery life) on low-power devices (LPDs)	<ul style="list-style-type: none"> <li>▮ High measurement accuracy due to measurement ranges for low voltages and low currents</li> <li>▮ Low-resistance shunt for current measurements and high input impedance for voltage measurements for minimal influence on measurement results</li> <li>▮ Long-term evaluation via integrator, with a six-month capacity</li> </ul>
Measurements in the test lab or field	All measurements and related documentation are possible without a PC (also applies to FFT, inrush currents and voltages, trend charts, etc.)