R&S®HMC8015

versus

Yokogawa WT310E

Comprehensive power analysis in a compact package

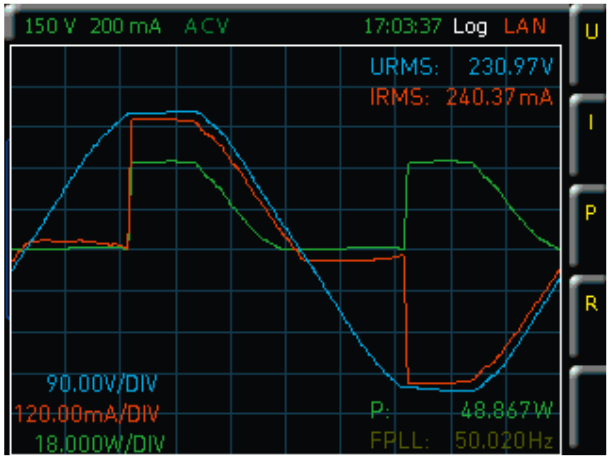
Accurately testing standby power consumption is a challenge. The R&S®HMC8015 power analyzer is the first compact tester for AC/DC load and standby power characterization that enables measurements according to all common standards without additional tools such as a computer or a remote infrastructure.

Your benefit	Features
Adapt the user experience to your needs	▮ Simultaneous display of up to 10 numerical measurement functions ▮ User-configurable measurement display ▮ Graphical display modes for inrush, harmonic analysis, waveform and trend chart
Accurately measure to key compliance requirements	▮ Basic accuracy: 0.05 % ▮ 100 kHz bandwidth at a sampling rate of 500 ksample/s ▮ Simultaneous display of current and voltage, each with 16-bit resolution
Integrated tools simplify measurements	▮ 26 different measurement and mathematical functions ▮ Limit testing with pass/fail indication for up to six selectable limits ▮ Save logging and screenshots directly to your USB device

Parameter	R&S®HMC8015	Yokogawa WT310E
Inputs, voltage	5 V to 600 V (CF3) 2.5 V to 300 V (CF6) 1800 V (peak)	15 V to 600 V (CF3) 7.5 V to 300 V (CF6) 1500 V (peak)
Inputs, current	5 mA to 20 A (CF3) 2.5 mA to 10 A (CF6) 60A (peak)	5 mA to 20 A (CF3) 2.5 mA to 10 A (CF6) 100 A (peak)
Crest factor	switchable (3/6)	switchable (3/6)
Power accuracy	0.05 % of reading + 0.05 % of range	0.1 % of reading + 0.2 % of range
Bandwidth	100 kHz	100 kHz
Sampling rate	500 ksample/s	100 ksample/s
Voltage input impedance	2 MΩ/20 pF	2 MΩ/13 pF
Current input impedance	10 mΩ/0.5 Ω	6 mΩ to16 mΩ/0.5Ω
Advanced I/O	sensor input, analog I/O, digital I/O	sensor input, analog I/O (optional)
Standard testing (optional)	Energy Star, EN50160, EN50564, EN61000-3-2, IEC62301	only via PC software
Interface	USB, LAN (LXI), IEEE-488/GPIB (optional)	IEEE-488 (GPIB), USB, LAN (optional)

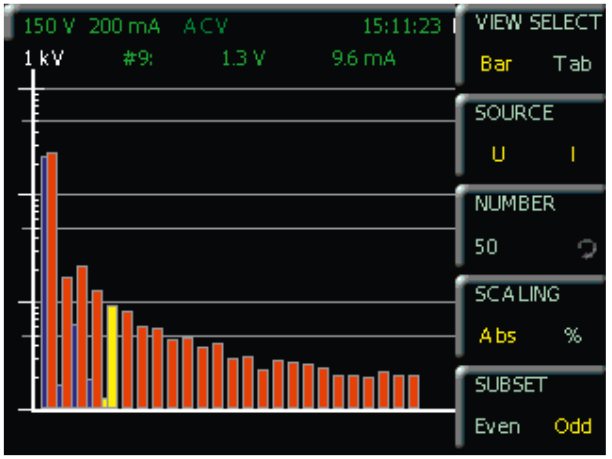
▷ For more information,
see www.rohde-schwarz.com/catalog/HMC8015

Waveform: view load with phase-angle control



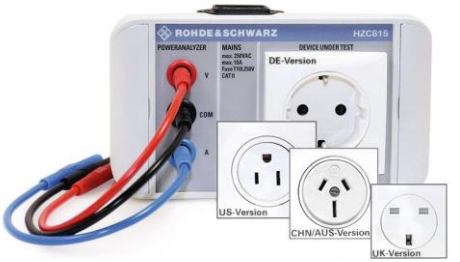
Waveform view quickly shows qualitative insights

Analysis: harmonics breakdown



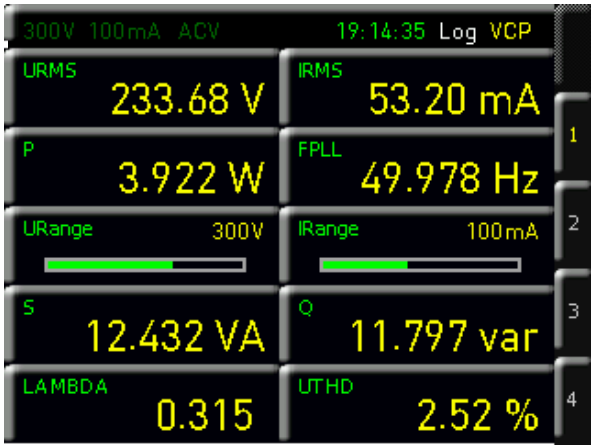
Intuitive graphics representations simplifies understanding of measurements

Safe connection to the R&S®HZC815



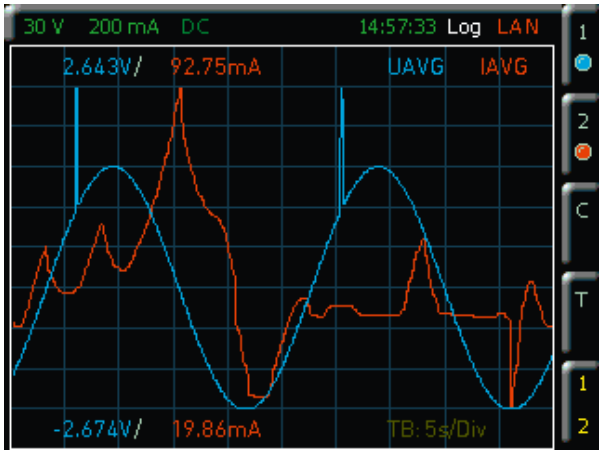
The DUT is simply and safely plugged into the R&S®HMC8015 through the optional R&S®HZC815 mains adapter. Country-specific adapter models are available to enable connection in different countries.

Numerical: precision at your fingertips



Numerical display enables quick quantitative insights

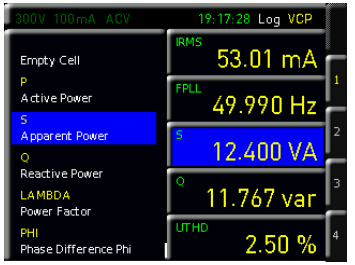
Trend: see what's happening



The trend chart summarizes the measurements over time

Modern graphical display

Yokogawa WT310: 7-segment LED and only 4 are value configurable



R&S®HMC8015: color TFT with measurement parameters freely configurable

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