

2 Power Analysis

One Measurement, Two Bandwidths

One-shot Results for Narrowband, Full Spectrum and Harmonics

Measurement Channels	<p>Outstanding accuracy of 0.015% of measured value + 0.01% of range Full dynamic range of 500 μA to 32 A / 3 mV to 1000 V per channel available in single instrument Power measurements from standby to full load (max. 32 A) without mechanical changes Analog bandwidth DC up to 10 MHz Modular configuration with 1 to 7 power measurement channels (alternatively 6 channels + 1 I/O card) Gapless sampling up to 18 bit and cycle time <30 ms Delay time between V and I input < 3ns, very precise measurements at small power factors (PF) and/or high frequencies</p>
Features	<p>Simultaneous measurement of narrow- and broadband values through innovative DualPath architecture Simultaneous capturing of fundamental frequency and broadband RMS values for instantaneous detection of losses, resp. high-frequency components Harmonics and interharmonics up to 2000. order, as required by EN61000-4-7 With optional I/O card speed/torque inputs freely configurable for all signal types (analogue, frequency as RS422, TTL or HTL) via menu Flexible scripting tool for custom applications Simultaneous measurement of V, I, P values and harmonics, presentation in tabular or graphical form Signal filters freely configurable by frequency, type and characteristics Synchronization to up to 7 different frequencies simultaneously Flicker measurement, interactions between grid and appliance according to EN61000-4-15</p>
User Interface	<p>Large and clearly arranged touchscreen GUI for intuitive handling All instrument features displayed, identical look-and-feel for local and remote operation for quick and easy familiarization</p>
Memory and Interfaces	<p>Internal storage of long-term measurements even with shortest cycle-time thanks to integrated mass storage device Excellent connectivity via USB2.0, Gbit-LAN, RS-232 and DVI/VGA</p>
Miscellaneous	<p>Convenient "plug-and-measure" through automated sensor detection, no external sensor power supply required 12 months guaranteed calibration interval for minimal service cost and optimal availability Calibration certificate included free-of-charge in first delivery 24 months warranty</p>