

PW3365 - CLAMP ON POWER LOGGER

Eliminate the Risk of Short-Circuits and Electrical Accidents.

Rating: Not Rated Yet

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Manufacturer [Hioki](#)

Description

Overview

Hioki Clamp On Power Meters are multi-channel power measuring devices utilizing clamp sensor input to accurately and safely measure power on single-phase to three-phase lines. The PW3365 power logger takes safety and convenience one step further by being the world's first non-metallic contact power meter that utilizes completely covered voltage clips that can be attached to any part of a cable or busbar. Customers can now monitor power demand and other power parameters to aid in energy audits and validate energy saving measures without risk of short-circuit accidents, power interruptions, or bodily injury due to electrocutions.

Key Features

- Measure voltage from the top of the cable with zero risk of short circuit
- Supports single to three-phase, 4-wire circuits
- Measure between 90V to 520V
- Display harmonics up to the 13th order
- Slim, compact design that can be placed anywhere
- Store months of data on SD cards
- QUICK SET function guides you in making the right connections

Specification:

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Measurement line & number of circuits	50/60 Hz, Single phase 2 wires (1/2/3 circuits), Single phase 3 wires (1 circuit), Three phases 3 wires (1 circuit), Three phases 4 wires (1 circuit), Current only: 1 to 3 channels
Measurement items	Voltage RMS, current RMS, voltage fundamental wave value, current fundamental wave value, voltage fundamental wave phase angle, current fundamental wave phase angle, frequency (U1), voltage waveform peak (absolute value), current waveform peak (absolute value), active power, reactive power, apparent power, power factor (with lag/lead display) or displacement power factor (with lag/lead display), active energy (consumption, regeneration), reactive energy (lag, lead), energy cost display, active power demand quantity (consumption, regeneration), reactive power demand quantity (lag, lead), active power demand value (consumption, regeneration), reactive power demand value (lag, lead), power factor demand
Voltage ranges	400 V AC (Effective measurement range: 90.0 V to 520.0 V)
Harmonic	Harmonic voltage, harmonic current, voltage total harmonic distortion (THD-F or THD-R), current total harmonic distortion (THD-F or THD-R), up to 13th order
Current ranges	500.00 mA to 5.0000 kA AC (depends on current sensor in use), 50.000 mA to 5.0000 A AC (Leak clamp on sensor only)
Power ranges	200.00 W to 6.0000 MW (depends on voltage/current combination and measured line type)
Basic accuracy	Voltage : $\pm 1.5\%$ rdg. $\pm 0.2\%$ f.s.(combined accuracy with PW3365-20 + PW9020) Current : $\pm 0.3\%$ rdg. $\pm 0.1\%$ f.s. + clamp sensor accuracy Active power : $\pm 2.0\%$ rdg. $\pm 0.3\%$ f.s. + clamp sensor accuracy (at power factor = 1)
Display update rate	0.5 sec (except when accessing SD card or internal memory, or during LAN/USB communication)
Save destination	SD/SDHC Memory card, or internal memory at real time
Data save interval	1 sec to 30 sec, 1 minute to 60 minutes, 14 selections
Save items	Measurement value save: Average only / Average, Maximum, Minimum value Screen copy: BMP form (saved every 5 min. at minimum interval time) Waveform save: Binary waveform data
Interfaces	SD/SDHC memory card, LAN 100BASE-TX: HTTP server function, remote settings via communication program, data download, USB 2.0: When connected to a PC, the SD Card and internal memory are recognized as removable storage devices, remote settings via communication program, data download
Functions	Connection check, Quick Set navigation guide, clock
Power supply	AC adapter Z1008: (100 to 240 V AC, 50/60 Hz), 45 VA (including AC adapter) Battery pack 9459: (DC 7.2 V, 3 VA, charging time 6 hr 10 min), 5 hours of continuous use (with back light off)
Dimensions and mass	180 mm (7.09 in)W x 100 mm (3.94 in)H x 48 mm (1.89 in)D, 540 g (19 oz) without PW9002 180 mm (7.09 in)W x 100 mm (3.94 in)H x 68 mm (2.68 in)D, 820 g (28.9 oz) with PW9002
Accessories	Safety Voltage Sensor PW9020 x1 set, AC adapter Z1008 x1, USB cable x1, Instruction manual x1, Measurement guide x1, Color clip (red, yellow, blue and white each 4), Spiral tubes in black (cord bundling for current sensors and voltage sensors) x10