

PW3360 - CLAMP ON POWER LOGGER

Portable Power Loggers for Energy Audits and Energy Conservation.

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 PW3360 compact 3-Phase 4-Wire energy loggers monitor power demand and other power parameters to aid in energy audits and validate energy saving measures.

Key Features

- Supports single to three-phase, 4-wire circuits
- Measure between 90V to 780V
- Simultaneously measure up to three single-phase, 2-wire circuits (in the same power system)
- Slim, compact design that can be placed anywhere
- Store months of data on SD cards
- The QUICK SET function guides you in making the right connections
- Choose PW3360-21 for harmonic measurements up to the 40th order

Specification

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 (with lag/lead display), 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, pulse input [PW3360-21 only]: Harmonic voltage level, harmonic current level, harmonic power level, content percentage, phase angle, total harmonic distortion (THD-F or THD-R), up to 40th order
Voltage ranges	600 V AC (Effective measurement range: 90.00 V to 780.00 V)
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	300.00 W to 9.0000 MW (depends on voltage/current combination and measured line type)
Basic accuracy	Voltage : $\pm 0.3\%$ rdg. $\pm 0.1\%$ f.s Current : $\pm 0.3\%$ rdg. $\pm 0.1\%$ f.s. + clamp sensor accuracy Active power : $\pm 0.3\%$ rdg. $\pm 0.1\%$ 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 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, Max./Min. value, [PW3360-21 only]: Harmonic data save: Average only / average, max./min. value in binary format, 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 Pulse output: proportional to active power consumption when measuring integral power consumption, Isolated open-collector signal
Functions	Connection check, Quick Set navigation guide, clock, pulse input
Power supply	AC Adapter Z1006: (100 to 240 V AC, 50/60 Hz), 40 VA (including AC adapter) Battery Pack 9459: (DC 7.2 V, 3 VA, charging time 6 hr 10 m), 8 hours of continuous use (with back light off)
Dimensions and mass	180 mm (7.09 in) W $\times$ 100 mm (3.94 in) H $\times$ 48 mm (1.89 in) D, 550 g (19.4 oz) without PW9002 180 mm (7.09 in) W $\times$ 100 mm (3.94 in) H $\times$ 67.2 mm (2.65 in) D, 830 g (29.3 oz) with PW9002
Accessories	Voltage cord L9438-53 $\times$ 1 set, AC adapter Z1006 $\times$ 1, USB cable $\times$ 1, Instruction manual $\times$ 1, Measurement guide $\times$ 1, Color clip $\times$ 1 set: red, yellow, blue, white/two each, for color-coding clamp sensors, Spiral tubes for grouping clamp sensor cords $\times$ 5