

PQC300 Single Phase True RMS Power Quality Clamp Meter

Measure Active/Apparent/Reactive Power and Energy, Harmonics, THD, Power Factor and more

Features:

- True RMS provides better accuracy when measuring non-sinusoidal or noisy waveforms
- 1000A TRMS AC/DC current
- Captures the instantaneous surge (inrush) current when power equipment is turned on (100ms)
- Peak voltage measurement (>1ms) with Min/Max
- AC + DC voltage measurement
- 6000 count graphical RGB LCD
- 1.26" (33mm) clamp jaw
- Built-in Non-Contact Voltage Detector with visual alert
- Low impedance mode (LoZ) to identify ghost voltages
- Store/recall up to 12,000 readings
- Min/Max captures highest and lowest readings
- Data Hold freezes the display
- Auto power off with disable
- Built-in flashlight
- Optional model complete with Certificate of Traceability to NIST
- Includes Test Leads, Type K Thermocouple Bead Probe, 3 AAA batteries, and carrying case
- 2 year warranty

Applications:

Single phase power quality analysis

Typically when using a multimeter to measure current, you would have to "break the circuit" and place the meter in series with it, so that voltage and current would pass through it. A clamp meter allows you to easily measure current without breaking the circuit by clamping around a single conductor. This saves time and the circuit will not be damaged.

Ordering Information:

PQC300 Single Phase True RMS Power Quality Clamp Meter
PQC300-NIST PQC300 Including Certificate of Traceability to NIST



Specifications

AC Current	1000A
ACA Accuracy	±2.8%
DC Current	1000A
Active Power	999.9kW (±3% + 5d)
Apparent Power	999.9kVA (±3% + 5d)
Reactive Power	999.9kVAR (±3% + 5d)
Power Factor	0.20 to 1.00 (±3°)
Harmonics	1 to 25 (±5% + 20d)
Active Power Energy	99.9kWh (±3% + 5d)
Apparent Power Energy	99.9kVAh (±3% + 5d)
Reactive Power Energy	99.9kVARh (±3% + 5d)
AC/DC Voltage	1000V
Resistance	60MΩ
Temperature	-40 to 1800°F (-40 to 1000°C)
Capacitance	6mF
Frequency	10kHz
Duty Cycle	10.0 to 90.0%
Continuity	<50Ω
NCV Detector	>90V
Peak Capture	>1ms
Inrush Current	100ms
Power	(3) AAA batteries
Dimensions / Weight	9.4 x 3.1 x 2" (239 x 80 x 49mm) / 112.3oz (350g)

