

# 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) |

