

i-meter[®]45



Features

- ◆ 120V to 347V L-N, 1, 2, or 3 phase circuit metering
- ◆ Wide frequency range 45-65Hz
- ◆ Uses self-shorting transformers
- ◆ Easy to mount and install
- ◆ Optional 80-character display
- ◆ Programmable on site with laptop computer
- ◆ Supports up to 45 Current Inputs
- ◆ Great when every circuit virtually supports a different application (Modern Data Centre)
- ◆ Programmed for single-phase or poly-phase applications
- ◆ Self-powered, eliminating the need for a second power source.
- ◆ Multiple functions options; voltage, current, real power, apparent power, power factor, frequency and total harmonic distortion

<http://www.intellimeter.us/>



i-meter[®]45

Product Summary

Dimensions (Inches)	16.5 H x 4.5 W x 2 D
Dimensions (Millimeters)	420 H x 115 W x 45 D
Mounting Options	Externally mount with loose CT's
# of Meters	1 to 45
Meter Elements (CTs)	1 to 45
Voltage	Auto range 120-347VAC (L-N), -20% to +10% of rating
Service type:	1 \emptyset 2W, 1 \emptyset 3W, 2 \emptyset 3W, 3 \emptyset 4W wye, 3 \emptyset 3W Delta*
Current Transformers	Secondary Max 80/100mA CTs, Self-Shorting Protection
Instrument Transformers Interface	Yes
Memory	Optional Modules up to 4 GB Memory
Pulse Output	Wh
Communications	ModBus RTU or TCP/IP, BACnet MSTP or TCP/IP and pulse output.
Frequency	45 to 65 Hz
Accuracy Class	0.5, (Meets ANSI C.12.20)
Real Time Measurements	V, I, kW, kVA, kVar, pf, Hz, Per phase V & I Total Harmonic Distortion (THD), Per phase V & I individual harmonic order up to 23rd
Operating Temperature	-10°C to +53°C
Regulatory Compliance / Approvals	cCSAus, cULus, CTEP (CA)
Patent	U.S. Patent No. 8,049,488

*600 VAC 3 phase 3 wire delta systems will require the addition of potential transformers.

<http://www.intellimeter.us/>

