

# i-meter<sup>®</sup> MF12



## Features

- ◆ Innovative Multi-Function
- ◆ Protect valuable assets like switch gear and transformers by monitoring multiple loads
- ◆ Compact i-meter<sup>®</sup> MF12 includes up to 12 meters
- ◆ Sized for any load – 15 amps, 2,000 amps or more
- ◆ Equipped with multiple functions to measure everything from amperage, voltage, watts and power factor, to demand, Total Harmonic Distortion (THD), kWh, kWh and kWh
- ◆ Built in 3-line display
- ◆ Communicates on Modbus, BacNet, RF, Ethernet
- ◆ Uses Intellimeter self-shorting milliamp or split-core current transformers
- ◆ The i-meter<sup>®</sup> MF12 works as a four 3-element meters, six 2-element meters, 12 single-element meters
- ◆ Applications: Residential, Commercial, Industrial

## Product Summary

<b>Dimensions (Inches)</b>	8 H x 7 W x 2.5 D
<b>Dimensions (Millimeters)</b>	201 H x 169 W x 63 D
<b>Mounting Options</b>	Surface Mount
<b># of Meters</b>	1 to 12
<b>Meter Elements (CTs)</b>	1 to 12
<b>Voltage</b>	Auto Ranging, 90 to 347 VAC (L-N)
<b>Service type:</b>	1Ø2W, 1Ø3W, 2Ø3W, 3Ø4W wye, 3Ø3W Delta*
<b>Current Transformers</b>	100 mA
<b>Instrument Transformers Interface</b>	Yes
<b>Memory</b>	45 days (5 min intervals) kWh
<b>Pulse Output</b>	Wh/VAh
<b>Communications</b>	MODBUS, RTU, Bacnet, MSTP, RF, Ethernet
<b>Frequency</b>	45 to 65 Hz
<b>Accuracy Class</b>	1.0
<b>Real Time Measurements</b>	V, I, kW, kVA, kVar, PF, Hz, THD (V/I)
<b>Operating Temperature</b>	-40°C to +60°C
<b>Regulatory Compliance / Approvals</b>	CSA (C/US)
<b>Patent</b>	U.S. Patent No. 8,049,488

\*Delta systems require potential transformers