

## More capacity for more circuits

Some commercial, industrial and condominium projects have more complex power needs than others. Look no further than a modern data centre where virtually every circuit supports a different application.

The **i-meter<sup>®</sup> 45** includes the same proven features found in the smaller i-meter™ 636, but this electric meter will support up to 45 Current Transformers (CTs), and can be programmed for single-phase or poly-phase applications. An optional 80-character display can show data at a glance, or you can choose to deliver information using a preferred communications protocol such as MODBUS or Bacnet.

This Multi Customer Metering Systems (MCMS) was also created with installers in mind. The universal design can be installed directly inside a Distribution Panel (DP) of choice. Panel shops will save valuable time by being able to snap 4 ribbon cables in place rather than wiring 45 individual CTs. And the meter can be programmed on site with nothing more than a laptop computer. Simply plug into the USB port on the front of the display, and leave the panel energized.

This electric meter is even self-powered, eliminating the need for a second power source.

That's an innovative metering solution.



**i-meter<sup>®</sup> 45**

### PRODUCT SUMMARY

Dimensions (inches)	16.5H x 4.5W x 2D
Dimensions (centimeters)	42H x 11.5W x 4.5D
Mounting options	Embedded/External
# Meters	1 to 43
Meter Elements	1 to 45
Voltage	Auto ranging, 90 to 347 VAC (L-N)
Service Type	1Ø 2W, 1Ø3W, 2Ø3W, 3Ø4W wye, 3Ø3W Delta (with PT's)
Current Transformers	80/110 mA output
Instrument Transformers Interface	Yes
Memory	Optional modules
Pulse Output	Wh
Communications	MODBUS, RTU, Bacnet, MSTP, RF, Ethernet
Frequency	45 to 65 Hz
Accuracy Class	1.0
Real-time Measurements	V, I, kW, kVA, kVar, PF, Hz, THD (V/I)
Operating Temperature	-40°C to + 60°C
Regulatory Compliance/Approvals	Measurement Canada; CSA (C/US); UL
Patent	U.S. Patent No. 8049488

