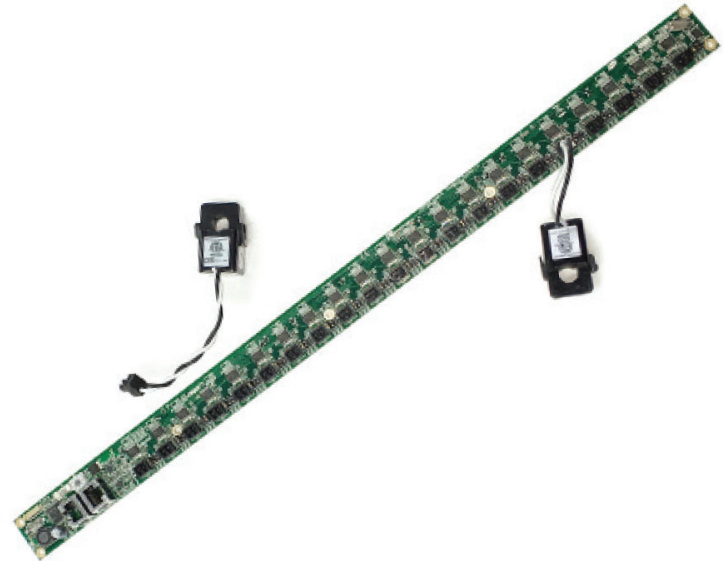


## Intelligent Branch Circuit Power Metering

The iBCPM integrated branch circuit power meter is built on the Trendpoint platform technology and is available in 21-circuit strips. Powered by the Enkapsis, the iBCPM provides utility-grade amps, volts, power factor, kW, and kWh data and can support up to four strips (84 circuits) on a single Enkapsis communication circuit. The iBCPM outputs data directly to your server via Ethernet and the power metrics from the iBCPM can integrate with any BMS or DCIM system via Modbus TCP/IP, SNMP and BACnet.



## KEY FEATURES

### ACCURACY

.5%, .5s%, 1% end to end system accuracy *\*varies based on CT selection.*

### WEB INTERFACE

For configuration and live data access.

### COMMUNICATIONS

ModBus TCP/IP, SNMP, BACnet, RS-485.

### DATA STORAGE & LOGGING

4gb Class 10 SD card (2gb logging & 2gb wave form).

### ALARMS

Onboard user configurable alarms and alerts.

### SAFETY

UL/CE listed to UL 508A of the latest applicable safety standards.

## A Great Fit For Any System

Trendpoint's Enkapsis is the base for the entire suite of Trendpoint module devices that include the BCPM2.0, Bus, and iBCPM). Each module can be used to provide utility grade data down to the branch circuit on busway systems, panelboards, RPPs, PDUs, switchgear, and distribution panels. The Trendpoint platform simplifies installation, integration, and operation of power monitoring deployments by extending a common chipset, user interface, firmware, and software driver across all of our module devices. It is also capable of residing on MOD-BUS, SNMP, and BACnet simultaneously with a fixed set of registers.



iBCPM-84 Circuit Shown

## FEATURES

- Accuracy .5%, .5s%, 1% end to end system accuracy \*varies based on CT selection
- Web interface - for configuration and live data access
- Communications - ModBus TCP/IP, SNMP, BACnet, RS-485
- Data Storage & Logging - 4gb Class 10 SD card (2gb logging & 2gb wave form)
- Alarms- onboard user configurable alarms and alerts
- Safety - UL/CE listed to UL 508A of the latest applicable safety standards

## iBCPM MEASUREMENTS:

- Current per branch and sum of all phases
- Energy (kWh) per branch and sum of all phases
- Real power (kW) per branch and sum of all phases
- Apparent Power (kVA) per branch and sum of all phases
- Power Factor per branch and total (signed, to show leading or lagging current)
- Voltage Line-to-Line and average
- Voltage Line-to-Neutral and average
- Frequency
- Power factor (signed, to show leading or lagging current), per branch and average of all phases for multi-phase logical circuits.
- Neutral leak detection

### Electrical Parameters:

TYPE	SPECIFICATIONS
Input Reference Voltage	[120] [208] [380] [400] [415] [480] [600] VAC, single phase (2) wire plus ground, three (3) wire plus ground or four (4) wire plus ground
Input Frequencies	50/60 Hz
24 VDC Power Supplies Input Voltage	100vac-240vac or 264v-575v to 24vdc output
CT Support	75 Amp to 5000 Amp with internal burdened resistor and 250mVac signal. (No shorting blocks required)
CT Options Available	Solid-core, Split-core or Rowgowski coil type current transformers that have a max voltage of 600V. The CT's shall be accurate from 1 - 100% of the range and be factory calibrated to ensure system accuracy.

### Environmental Requirements:

TYPE	SPECIFICATIONS
Operating Temperature	0°C to 70°C
Storage Temperature	-40°C to 85°C
Relative Humidity	5% to 95% non-condensing
Maximum Operating Altitude	3,000 meters
Non-Operating Altitude	15,000 meters
Noise Level	<65dba at six feet from the PQM

