

## Evolved Branch Circuit Power Monitoring

The next generation is here. Exceptional utility grade power monitoring and full power quality metrics - with or without waveform capture - all at a branch circuit level.

Working with the Trendpoint Enkapsis™ as the head-end unit, the BCPM2.0 provides voltage waveform capture, data logging and Full Ethernet communication. The most versatile meter on the market, it can be integrated into any switchgear, distribution panel or cabinet with a high density of circuits. Best of all, it's installed with little to no downtime, it outputs directly to your server via



Ethernet and it's available in 24, 30, 42, 84, 126, 168 and 192 circuit solutions. Get the most accurate, flexible and adaptable branch circuit metering solution being used today at critical facilities around the world - the BCPM2.0.

## 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.

## The New Standard

The BCPM2.0 is the industry's Gold Standard. It's flexible design is ideal for today's environment of constant additions, and supports continual moves and location adjustments.

It's design allows for easy installation, as well as simple integration and operation. Stocked with common chipset, UI, Map/MIB, firmware and software driver within the critical facility's power distribution equipment providing the highest quality power monitoring.



Trendpoint Enkapsis



BCPM2.0 (42 Circuits)

Daisy chain  
multiple BCPM2.0s  
up to 120 circuits

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

BCPM2.0 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-Neutral and average
- Frequency
- Voltage THD
- Current THD
- Voltage and Current Waveform Capture (optional)
- Power factor (signed, to show leading or lagging current), per branch and average of all phases for multi-phase logical circuits.
- Ground 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

