

Branch Circuit Power Monitoring

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

The TrendPoint Enkapsis™ is the head-end and pairs with the BCPM2.0 modules to provide 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 down time, and outputs directly via Ethernet using ModBus TCP/IP, SNMP, and BACnet.



The BCPM 2.0 is 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 at critical facilities around the world - the BCPM2.0.

KEY FEATURES

ACCURACY

1% end to end system accuracy
*.5% or .5s% system accuracy available.

WEB INTERFACE

For configuration and live data access.

SUPPORTED PROTOCOLS

ModBus TCP/IP, SNMP, BACnet.

DATA STORAGE & LOGGING

8gb Class 10 SD card included.

ALARMS

Onboard user configurable alarms and alerts.

SAFETY

UL/CE listed to UL 508A.

POWER QUALITY ANALYTICS

Waveform Capture and Voltage and Current THD.

The New Standard

The BCPM 2.0's flexible design is ideal for today's environment of constant additions, supports continual moves, and location adjustments. It's design allows for easy installation, as well as simple integration and operation. Stocked with a common chipset, web based UI, and upgradable firmware, the TrendPoint Enkapsis™ Platform delivers a high quality power metering solution.



TrendPoint Enkapsis



BCPM2.0 (42 Circuits)

Daisy chain multiple BCPM2.0s up to 192 circuits

FEATURES

- 1% end to end system accuracy
*.5% or .5s% system accuracy available.
- Web interface - for configuration and live data access
- Communications - ModBus TCP/IP, SNMP, BACnet
- Data Storage & Logging - 8gb Class 10 SD card
- Alarms- onboard user configurable alarms and alerts
- Safety - UL/CE listed to UL 508A

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
- Voltage Line-to-Line 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.
- 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 6000 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	-20°C to 60°C
Storage Temperature	-40°C to 85°C
Relative Humidity	5% to 90% non-condensing
Maximum Operating Altitude	2,000 meters
Non-Operating Altitude	15,000 meters
Noise Level	<65dba at six feet from the PQM

