

# Power Monitoring Offer Roadmap

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Energy Management Solutions - Power Monitoring

# Power Monitoring Global Offers

## Entry Range

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Current Transformers



Panel Instruments



Kilowatt Hour Meters



PM9



ION 6200



PM5300

## Mid Range

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PM700  
PM800



Branch Circuit Power Meter



ION 7300



High Density Metering



EM4800



EM5600

## PQ Range

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CM4000



ION7x50



Enercept

## Utility Range

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ION8600



ION8800

# Power Monitoring NA Offers

## Entry Range

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ION6200

## Mid Range

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PM800



BCPM



Energy Meter



ION7300



EM4800



PM700



Enercept



EM5600



HDM

## PQ Range

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CM4000



ION7x50

## Utility Range

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ION8600

# EM4800

*New!*



# PowerLogic EM4800 Multi-Circuit Meter



- Why this project
  - Enhance product for wider acceptance
  - Launch outside North America
- Target
  - Buildings, Data Centers
- Selected Highlights
  - Flexible multi-circuit meter, up to 24 circuits
  - **Class 0.5** accuracy
  - Flexible current inputs: 5A, 80mA, 0.333V
  - **Interval data logging**
  - Ethernet & V.90 modem with data push (FTP)
  - Compact size: 13.1”h x 11.8”w x 2”d
  - Voltage inputs: 120/240 Vac (1p), 208Y/120 Vac, **480Y/277 Vac**
  - Control power: 120 Vac
  - **Remote display**

# BCPM

*New!*

Branch Circuit Power Meter



# BCPM Installation

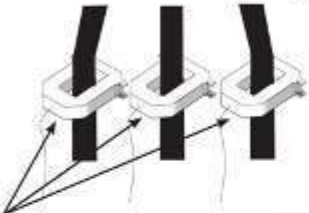
Sample installation showing a BCPM in a PDU. The BCPM has flexible installation options that allow the CT strips to fit a variety of PDU configurations.

Circuit Monitoring

4 CT strips monitor 84 circuits

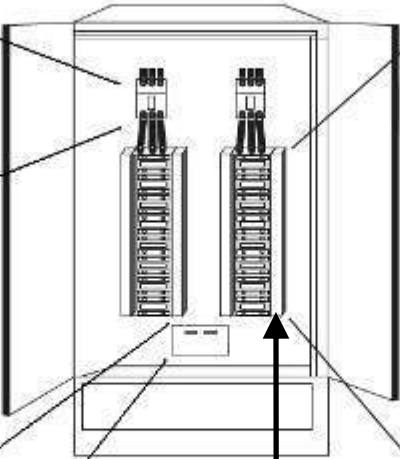
Mains Monitoring

(LVCTs ordered separately)

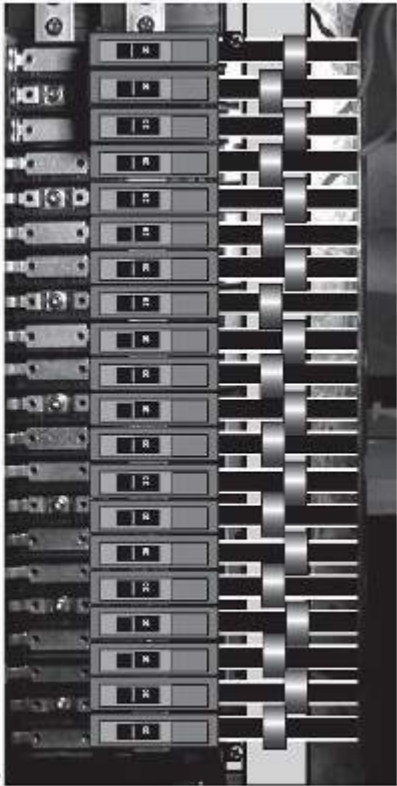


Current transducers (1/3 VAC output)

BCPM PCB



21 CT Strip



# BCPM Features and Benefits

The new BCPM offers:

- Low cost per meter point
  - Monitor 84 circuits with a single BCPM
- Flexible installation options
  - 19 mm and 25 mm CT spacing available
  - **Split core CT version (50 A and 100 A CTs) – July 2010**
- Cost effective communications – ModbusRTU (RS485)
- Large dynamic range accurate at low current values, down to  $\frac{1}{4}$  A
- Multiple alarm levels, to protect your system
  - Low-low, low, high, high-high
  - Provide a warning of potential issues allowing operators to respond proactively
  - User defined alarm set-points
  - Alarms are both instantaneous and latching
  - Alarm counters ensure valuable historical data is maintained



# BCPM Ordering Options

## Feature Set Details

The BCPM is available in 3 feature sets:

Advanced (Option A) features power and energy calculations on every circuit

Intermediate (Option B) includes power and energy on the mains, and current only on the branch circuits

Basic (Option C) measures power only on every circuit

	BCPM		
	Advanced	Intermediate	Basic
<b>Circuit metering (measurements per circuit)</b>			
Current	■	■	■
Present and max current demand	■	■	■
Max current	■	■	■
Power	■		
Present and max demand	■		
Energy	■		
Power factor	■		
<b>Mains metering (measurements per mains)</b>			
Current, per phase	■	■	■
Max current, per phase	■	■	■
Present and max current demand, per phase	■	■	■
Power per phase	■	■	
Energy per phase	■	■	
Power Factor, total and per phase	■	■	
Voltage, line to line and average L-L	■	■	
Voltage, line to neutral and average L-N	■	■	
Frequency (Phase A)	■	■	

# Questions

