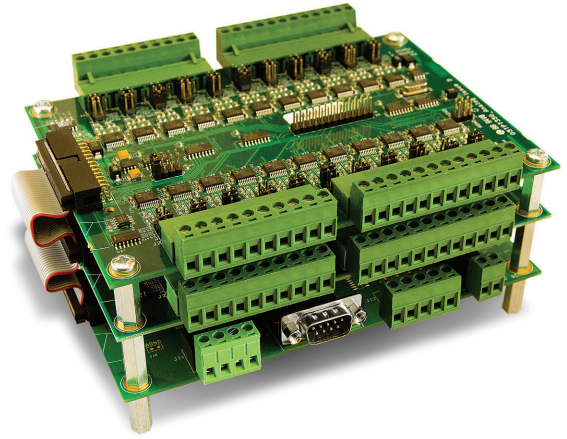


# EnerSure®

Branch Circuit Smart Meter



**BEFORE YOU INVEST;  
KNOW WHAT YOU'RE PAYING FOR.**

	EnerSure®	Competitors
AMPS	✓ CLASS 1	± 2% - 5%
VOLTS	✓ CLASS 1	± 2% - 5%
POWER FACTOR	✓ CLASS 1	✗ Not Available
WATTS HEAT	✓ CLASS 1	✗ Not Available
kWh ENERGY	✓ CLASS 1	✗ Not Available

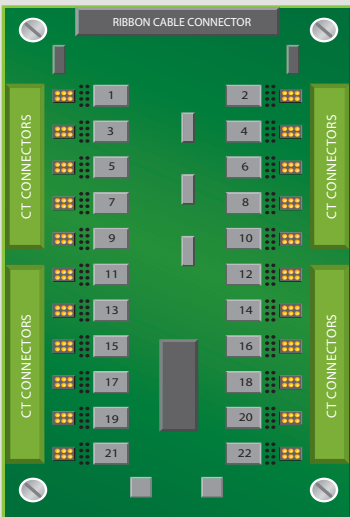
*Per circuit data, Class 1 applies to system level for TrendPoint as well.*

The EnerSure® Branch Circuit Power Analyzer is as different from a traditional BCM as a smart meter is from a mechanical meter.

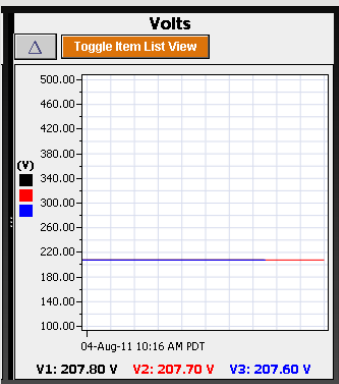
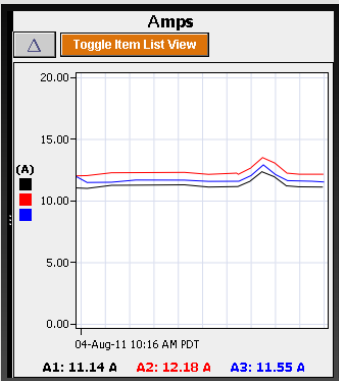
Only our smart Branch Circuit Power Analyzer measures the full spectrum of power and energy data for each individual circuit. The table above shows the breadth of data in EnerSure® vs. the competition.

With no data available for power factor, watts or energy use per circuit, traditional systems must only guess at vital information about energy waste, heat and total energy usage.

Only TrendPoint provides a window into the full spectrum of power and energy data for each circuit.



EnerSure® Data Gathering Module (DGM) shown with 22 Power Meter-on-a-chip units.



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## Accurate

TrendPoint employs 22 Power Meter-on-a-chip units on each Data Gathering Module. With up to 4 DGMs per unit, that's up to 88 circuits of utility grade power data on each EnerSure.®

**Amperage:** Knowing exact amperage eliminates tripped breakers. A few points of inaccuracy can be the difference between uptime and disaster.

**Voltage:** See power spikes and sags and head off trouble early. Voltage disturbances can get through a UPS and, when they do, they can spell big trouble.

**Power Factor:** The key to predicting server and other equipment failures is power factor. By trending this data, you can quickly spot a failing power supply or motherboard before it causes downtime.

**Wattage:** The true measurement of heat. By associating each circuit with the cabinet or rack that it feeds, you can see the actual wattage of heat in each cabinet and adjust loads as necessary.

**kWh Energy:** Energy charge backs and related carbon emission reporting are increasingly common. Laws such as California Public Utilities Commission 07-09-004 require that any charge back for power usage MUST be done with meters that meet utility grade standard at the Individual Circuit Level.

## Flexible

Add any sized CT to any circuit with just the click of a mouse. No hardware to configure. Our standard split-core CT's are available in any size from our standard 75 and 300 amp series to 4000 amps.

### Full Ethernet, RS232 and RS485 connectivity

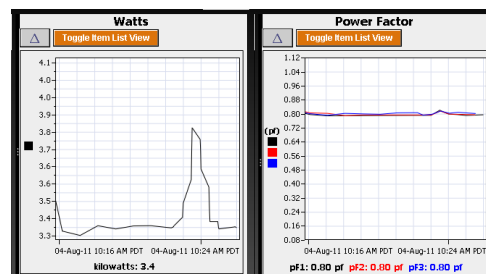
EnerSure is the only product that provides all standard forms of data connectivity.

### Data provided by Modbus, Modbus TCP and SNMP MIB

This allows communication with any Building Management System (BMS), Energy Management System (EMS) or Network Management System (NMS).

## Safe

There is absolutely NO Hot Power onboard the EnerSure®. It is the only unit that can comply with NFPA70e. All other units on the market bring hot power directly to their board. Therefore, any changes to the board must be made with protective clothing, gear and safety inspections as required by NFPA70e.



Open Energy Management Equipment

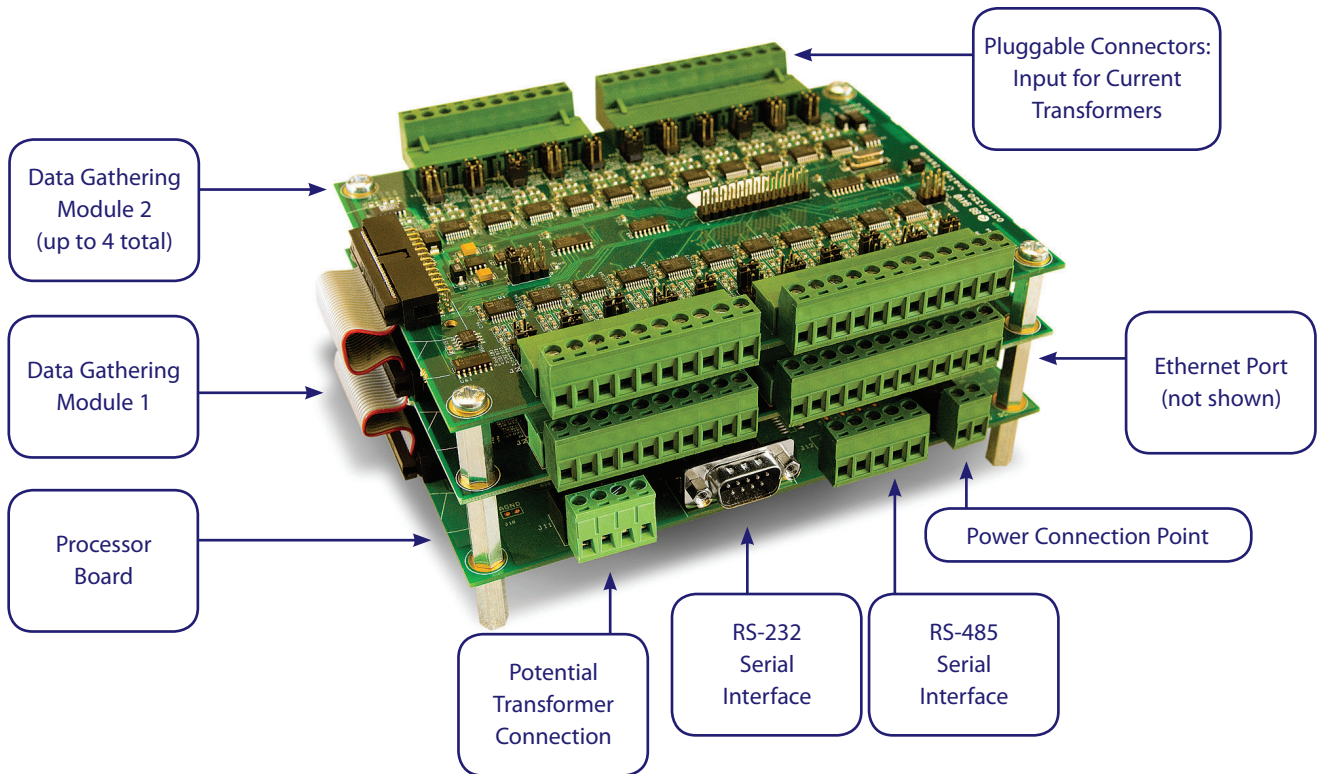


Certified Utility Grade Accuracy by METLABS

ANSI C12.1  
IEC 62053-21

## EnerSure Module

(44 Circuit Metering Module Shown)



### DIMENSIONS

Length	Width	Height
6.5 in	4.60 in	3.25 in
165.1 mm	116.84 mm	82.55 mm

### ELECTRICAL PROPERTIES

Energy Accuracy	±1%	Supply Voltage	24VDC
Power Accuracy	±1%	Supply Amps (Max)	250mA
Operating Temp	32° – 100° F	Frequency	50-60HZ

### COMMUNICATIONS

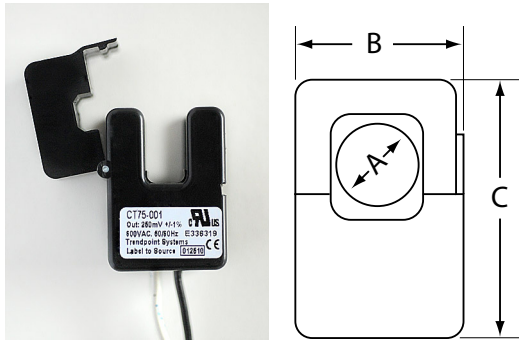
Ethernet	Modbus TCP, SNMP MIB
Serial	Modbus RTU via RS-232 and RS-485

### CERTIFICATIONS

EN613226, 61000-3-2 & 3-3	CE Marked/Tested
IEC61036/60687, IEC62053-21, and IEC62053-22	IEC Compliant and Certified UL Listed 916

# CURRENT TRANSFORMERS and POTENTIAL TRANSFORMER

## Current Transformer – 75A



### DIMENSIONS

A	B	C
.40 in	1.25 in	1.60 in
10.16 mm	31.75 mm	40.64 mm

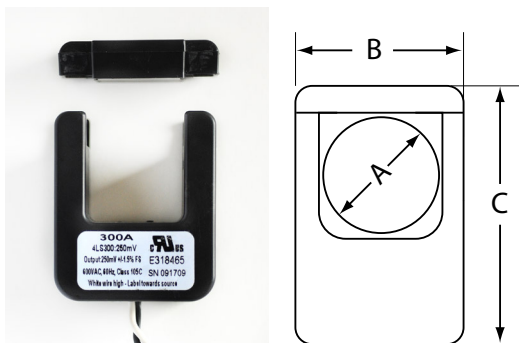
### ELECTRICAL PROPERTIES

Accuracy	±.5%	Rated Current	75A
Linearity	1-100%	Current Ratio	3000:1
Max Voltage	600V	Frequency	20-400HZ

### CERTIFICATIONS

EN61010-1	UL Listed 1015	CE Marked/Tested
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## Current Transformer – 300A



### DIMENSIONS

A	B	C
1 in	2.125 in	2.375 in
25.4 mm	53.975 mm	60.325 mm

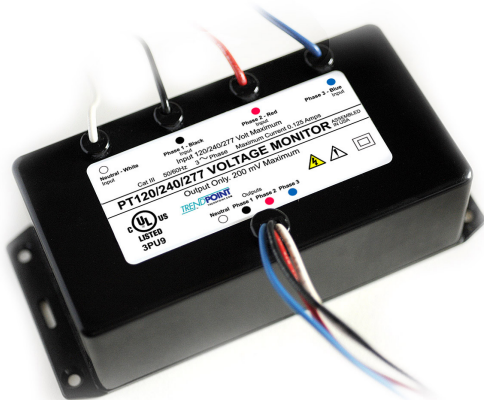
### ELECTRICAL PROPERTIES

Accuracy	±.5%	Rated Current	300A
Linearity	1-100%	Current Ratio	3600:1
Max Voltage	600V	Frequency	50-500HZ

### CERTIFICATIONS

UL Listed 1015 & 506	ETL Recognized
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## Potential Transformer



### DIMENSIONS

Length	Width	Height
5.90 in	3.125 in	1.95 in
148.86 mm	79.375 mm	49.53 mm

### ELECTRICAL PROPERTIES

Accuracy	±.5%	Rated Current	N/A
Linearity	.5%	Voltage Ratio	1200:1
Max Voltage	480V	Frequency	50-60HZ

### CERTIFICATIONS

TUV Certified	UL Listed 61010
EN61010-1	CE Marked/Tested