

# 12 Channel Energy Meter

ENTG3010 / ENTG3000



## 12ch TCP/IP and BACnet/IP Energy Meter

With Built-In Web Server and on Board Data Logging

### Features & Benefits:

- 📶 Measures electric power on up to 12 circuits
  - Building demand / consumption
  - Renewable energy production
  - Sub-metering
- 📶 Built-in web server
- 📶 16, 64 or 128 recordable register options.
- 📶 Multi-layered password protection and information hiding
- 📶 Fully web-configurable
- 📶 CSV export
- 📶 Built-in solid-state memory and data logger:
  - 1 second granularity for 10 minutes (volatile)
  - 1 minute granularity for current year
  - 15 minute granularity for 30 years
- 📶 URI data push available / open API
- 📶 Internet-enabled or stand-alone operation
- 📶 BACnet/IP compatible
- 📶 Windows, Mac, Linux & smarphone compatible
- 📶 For residential, commercial, municipal, and industrial use

### Revenue Grade Accuracy

#### Hardware Options:

- 📶 ENTG3010
  - BACnet/IP, Ethernet hardwire and Power-Line Communication
- 📶 ENTG3000
  - BACnet/IP and Ethernet hardwire Communication only

#### New Features:

- 📶 Accu-CT integration (revenue grade c0.6)
- 📶 Factory reset button
- 📶 Automatic Homeplug pairing
- 📶 Manager updates
  - Production / consumption totaling
  - Mapping of installation locations

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## General:

Power usage: 2.5W typical  
Warranty: 2 year or 5 year  
Logging Values: V, A, W, Wh, Hz, VA, VAR, THD, deg

## Measurement Capacity:

Voltage: Max 480VAC, 3 Phase, 4 Wire, Wye  
Line 1 input 85-277VAC  
Line 2, 3 input 0-277VAC  
Current: CT dependent, up to 6000A/channel  
Frequency: 50 or 60 Hz

## Environmental Conditions:

Operating Temp: -30° to 50°C (-22°F to 122°F)  
Max Humidity: 80% up to 31°C  
Meas. Category: III (fixed installation)  
Location: Indoor or outdoor (in enclosure)



## Enclosure:

Material: Flame-retardant ABS (UL94-V0)  
Size: 176x85x30mm2 (7"x3.4"x1.2")  
Weight: 220g (8oz)







## Regulatory:

Safety: Conforms to UL STD 61010-1  
Certified to CAN / CSA STD C22.2  
No. 61010-1  
Lead-free RoHS compliant  
FCC: CISPR 11 Group 1 class B,  
FCC 47CFR 15 class B

## Requirements:

-  Compatible web browser:
  - Google Chrome
  - Firefox 2+
  - Safari 3.1 +
  - Internet Explorer 7+
  - Any browser with JavaScript and SVG or CANVAS Support
-  For Internet-connection operation;
  - >256 kbps upload speed

## Manager:

-  Allows installers to view multiple systems on one screen
-  Proactive customer service tool for trouble shooting
-  Email and SMS alerts (user defined)
-  Web-enabled parameter sorting
-  Tool for monthly billing, PPA, O&M, and sub-metering
-  Multiple user/restricted access support with sub-groups