

Compact Power and Energy Meter

Easy Mounting For Fast Installation

APPLICATIONS

- Renewable energy
- Energy management
- Commercial submetering
- Industrial monitoring
- Cost allocation

FEATURES

A compact solution for panelboard monitoring

- DIN rail mounting option...easy installation
- ANSI 12.20 0.5% accuracy, IEC 62053-22 Class 0.5S...great for cost allocation
- Real energy output and phase loss alarm output on all models...one model for multiple applications
- 90-600 VAC...application versatility with fewer models to stock
- Bright backlit LCD...easy visibility in dark enclosures
- Data logging capability (E50C3)...safeguard during power failures
- Compatible with CTs from 5A to 32000A...wide range of service types
- User-enabled password protection...protect from tampering
- On-board diagnostics...easy installation and troubleshooting



E50



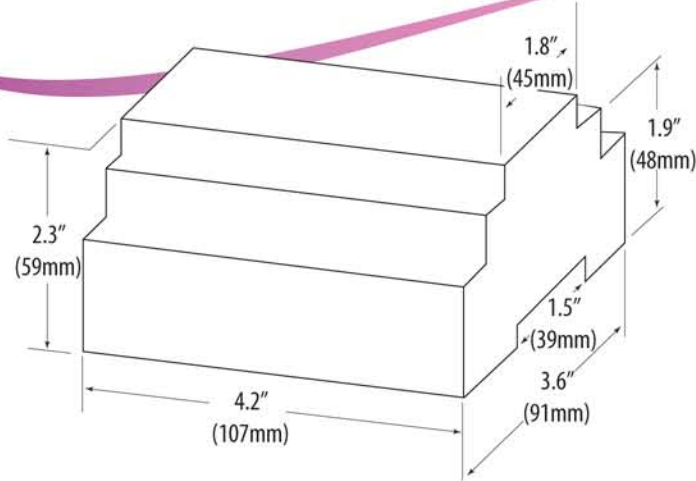
DESCRIPTION

The E50 Series DIN Rail Meter combines exceptional performance and easy installation to deliver a cost-effective solution for power monitoring applications. The E50 can be installed on standard DIN rail or surface mounted as needed. All models include pulse output and phase alarms for true versatility in all situations. The Modbus output option offers added flexibility.

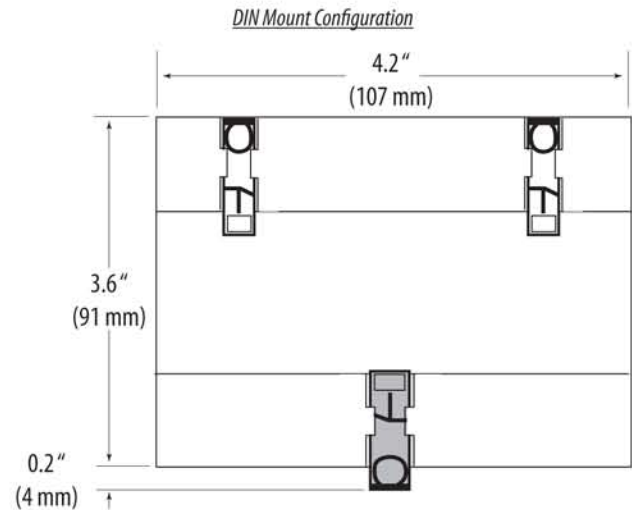
SPECIFICATIONS

<i>Inputs:</i>	
Control Power	90V (L-N) to 600V (L-L), 50/60 Hz
Voltage Input	UL: 90V (L-N) to 600V (L-L); CE: 90V (L-N) to 300V (L-L)
Current Input	
Scaling	5A to 32,767A
Input Range	0 to 0.333V or 0 to 1V (selectable)
<i>Accuracy:</i>	
Real Power and Energy	0.5% (ANSI C12.20, IEC 62053-22 Class 0.5S)
<i>Outputs:</i>	
All Models	Real Energy Pulse: N.O. static; Alarm contacts: N.C. static
E50B	Reactive energy pulse 30VAC/DC
E50C	RS-485 2-wire Modbus RTU
<i>Mechanical:</i>	
Mounting	DIN Rail or 3-point screw mount
<i>Environmental:</i>	
Operating Temperature Range	-30° to 70°C (-22° to 158°F); Display: -10° to 50°C (14° to 122°F)
Storage Temperature Range	Meter: -40° to 85°C (-40° to 185°F); Display: -10° to 60°C (14° to 140°F)
Humidity Range	<95% RH noncondensing

DIMENSIONAL DRAWING



MOUNTING DIAGRAMS



DATA OUTPUTS

kW, kWh

Current: 3-phase average

Voltage: 3-phase average

Current: by phase

Voltage: by phase Line-Line and Line-Neutral

Power: Real, Reactive, and Apparent; 3-phase total and per phase

Power Factor: 3-phase average and per phase

Frequency

Power Demand: Most Recent and Peak

Demand Configuration: Fixed, Rolling Block, and External Sync

Data Logging (E50C3 only):

10 Configurable Data Buffers

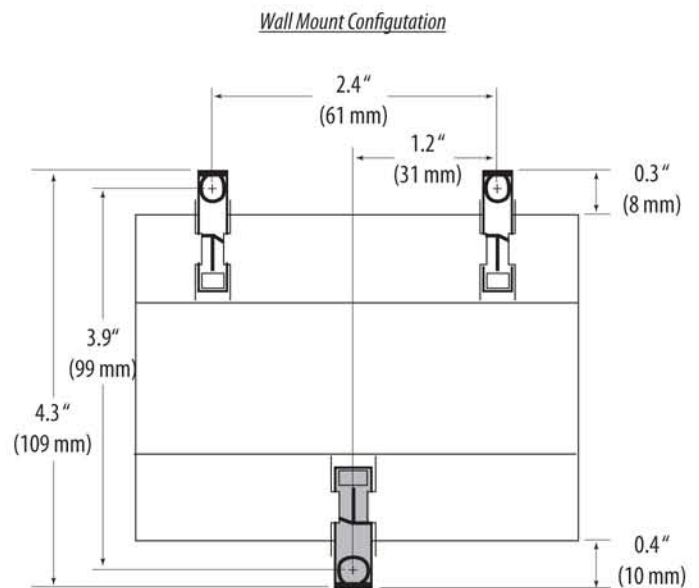
Configurable Demand Subinterval (when set at a 15-minute interval, buffers store data for 60 days)

ACCESSORIES

IP55 enclosure

Fuses

Split-core and solid-core CTs



ORDERING INFORMATION



MODEL	DESCRIPTION	OUTPUT		
		Pulse	RS-485	Alarm
E50B1	Pulse output only	●		●
E50C2	Modbus, Full Data Set	●	●	●
E50C3	Modbus, Full Data Set, with Data Logging	●	●	●

Marketed by:



Precicon D&C Pte Ltd

A Tai Sin Electric Company

CELEBRATES 25 YEARS OF QUALITY SERVICE AND INNOVATION

27 Gul Avenue Singapore 629667 ■ Tel: (65) 6897 7008 ■ Fax: (65) 6897 8890

Email: marketing@precicon.com.sg ■ Website: www.precicon.com.sg