

EM Series (Energy Meters)

Altech®

FEATURES

- Measurement Functions
 - 3 Ø Power (Active, Reactive, Apparent)
 - 3 Ø Power Factor
 - Energy (Active, Reactive, Apparent)
- Programmable CT Primary, PT Primary/Secondary
- RS485 Modbus RTU Communication
- Single Pulse Output

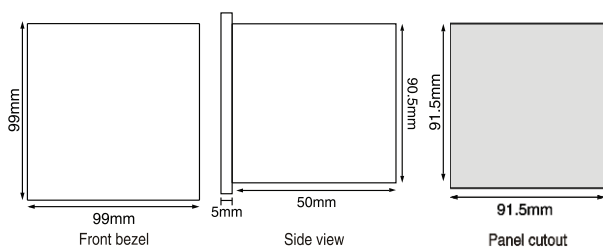


CAT. NO.

EM368-C-CU

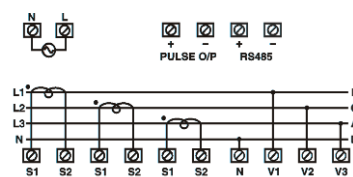
Display	
Display Type	LCD Display with backlight
Digits	8 digits
Bargraph	—
Display Scrolling	Automatic
Supply Specification	
	85 ~ 270 VAC (50/ 60Hz)
Input Specification	
Electrical Wire System	3 Phase (3/4 wires)
Input Voltage Range	11 ~ 300 VAC (Phase to Neutral) 19 ~ 519 VAC (Phase to Phase)
Input Current Range	10mA ~ 5A (External CT required for current >5A)
Frequency	45 ~ 65Hz
Parameter Resolution	
Energy	0.01k, 0.1k, 1k, 0.01M, 0.1M, 1M, 10M
Power	Auto resolution
Power Factor	0.01
Accuracy Class	
Power Factor	+/-1%
Active, Reactive, Apparent Power	+/-1%
Active, Reactive, Apparent Energy	Class 1
Output Specifications	
Pulse Output	1
Pulse Voltage	24 VDC max.
Pulse Current	100mA max.
Pulse Duration	100ms +/-5ms
Communication	
	RS485 MODBUS Communication
Programmable Parameters	
CT Primary	1A/ 5A ~ 10,000A (Programmable for any value)
CT Secondary	1A/ 5A (External CT must be connected for current >5A)
PT Primary	100V ~ 500 kV (any value)
PT Secondary	100V ~ 500 VAC (any value)
Environmental Specifications	
Temperature	Operating: -10°C~55°C, Storage: -20°C~ 75°C
Humidity	Up to 85% RH
Protection Level	IP65 for Faceplate
Physical Specifications	
Size	1/4 DIN, 96 mm x 96 mm
Weight	0.69 lbs (312g)
Terminal Size Acceptability and Torque	20-14 AWG (0.5 - 2.5mm ²), 6-7 lb-in. (0.68 - 0.79Nm)

DIMENSIONS



EM Series

TERMINAL CONNECTIONS



EM368-C

DIGITAL PANEL METERS

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