



Features

- Bi-directional Energy
- 8 Three Phase Circuits or 24 Single Phase Circuits
- True RMS Power Measurements
- Energy Analysis for 3P4W, 3P3W, 1P3W, 1P2W
- Current Measurements Up to 400 A with Different CT Ratio
- Voltage Measurements Up to 600 V
- Easy install with split core CT
- W Accuracy Better than 0.5% (PF=1)
- Total Harmonic Distortion (THD)
- LCD Display
- 2/3-wire DS18B20 Wire Connection
- Support Modbus RTU Protocol
- Support 2 Power Relay Output (Form A)



The PM-4324D series multi-circuit power meter monitors up to 8 three-phase circuits or 24 single-phase circuits, or any combination of single or three-phase circuits. The PM-4324D series can measure up to 24 currents via external Current Transformers (CTs). This flexibility makes the PM-4324D series perfect for multi-tenant facilities such as residential projects, office buildings and shopping malls. This compact instrument is designed to easily fit into existing panelboards or be flush mounted nearby, thus eliminating the need for expensive retrofit projects or for allocating extra space for the device. The digital temperature sensor function that provides one port for 2- or 3 wire DS18B20 digital temperature sensor input. This meter has LCD display shows power.

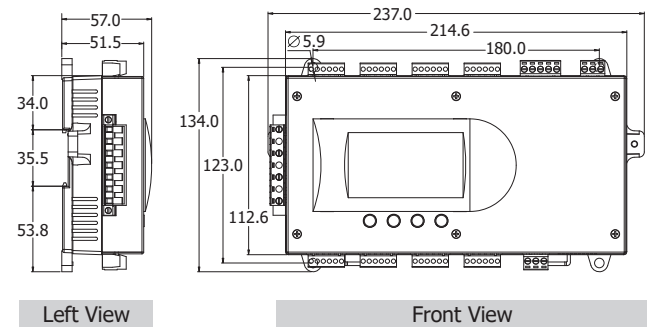
Specifications

Models	PM-4324D	PM-4324D-MTCP	PM-4324D-CPS
AC Power Measurement			
Wiring	3P4W-3CT, 3P3W-2CT, 3P3W-3CT, 1P2W-1CT, 1P3W-2CT		
Measurement Voltage	10 ~ 600 V		
Measurement Current	CTØ10 mm (60 A); CTØ16 mm (100 A); CTØ24 mm (200 A); CTØ36 mm (300 A); CTØ36 mm (400 A)		
Measurement Frequency	50/60 Hz		
W Accuracy	Better than 0.5% (PF=1)		
Power Parameter Measurement	True RMS voltage (V_{rms}), True RMS current (I_{rms}), Active Power (kW), Active Energy (kWh), Apparent Power (kVA), Apparent Energy (kVAh), Reactive Power (kVAR), Reactive Energy (kVARh), Power Factor (PF), Frequency		
Data Update Rate	1 Second		
LCD Display	Yes		
Communication			
RS-485	Protocol	Modbus RTU	-
	Baud Rate	9600, 19200 (default), 38400, 115200; DIP Switch Selectable	-
	Data Format	N,8,1; N,8,2; E,8,1; E,8,2; O,8,1; O,8,2;	-
	Isolation	3000 Vdc	-
Ethernet	Protocol	-	Modbus TCP
CAN bus	Protocol	-	CANopen
	Baud Rate	-	125 k (default), 250 k, 500 k, 1 M; DIP Switch Selectable
	Isolation	-	3000 Vdc
Alarm Output			
Power Relay	Form A (Normal Open) x 2; Relay Contact Voltage Range: 5 A @ 250 VAC (47 ~ 63 Hz), 5 A @ 30 VDC		
Power			
Input Range	+85 ~ +264 VAC (277 VAC available)		
Power Consumption	6 W		

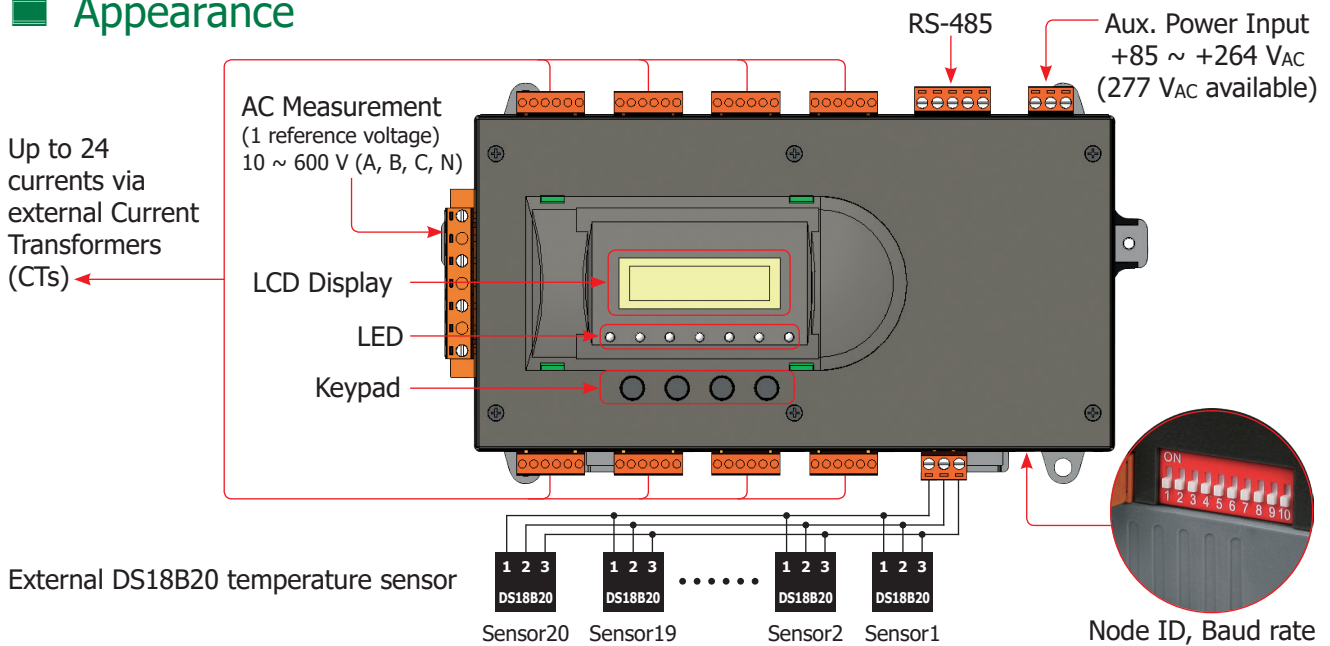
Specifications

Models	PM-4324D/-MTCP/-CPS
Mechanical	
Casing	Plastic
Dimensions (W x L x H)	237 mm x 57 mm x 134 mm
Module Installation	DIN-Rail Mount
Environment	
Operating Temperature	-20 ~ +70 °C
Storage Temperature	-25 ~ +80 °C
Ambient Relative Humidity	10% ~ 90% RH, Non-condensing

Dimensions (Units: mm)



Appearance



Ordering Information

RS-485 Interface (Available soon)	
PM-4324DP CR	Modbus RTU, Multi-Circuit Power Meter (Can be directly input from the secondary side of 333 mV CT) (RoHS)
PM-4324D-100P CR	Modbus RTU, Multi-Circuit Power Meter; includes 60A CT (Inside diameter 10 mm; wire lead 4 m) x 24 (RoHS)
PM-4324D-160P CR	Modbus RTU, Multi-Circuit Power Meter; includes 100A CT (Inside diameter 16 mm; wire lead 4 m) x 24 (RoHS)
PM-4324D-240P CR	Modbus RTU, Multi-Circuit Power Meter; includes 200A CT (Inside diameter 24 mm; wire lead 4 m) x 24 (RoHS)
PM-4324D-360P CR	Modbus RTU, Multi-Circuit Power Meter; includes 300A CT (Inside diameter 36 mm; wire lead 4 m) x 24 (RoHS)
PM-4324D-400P CR	Modbus RTU, Multi-Circuit Power Meter; includes 400A CT (Inside diameter 36 mm; wire lead 4 m) x 24 (RoHS)

Ethernet Interface (Available soon)	
PM-4324D-100P-MTCP CR	Modbus TCP, Multi-Circuit Power Meter; includes 60A CT (Inside diameter 10 mm; wire lead 4 m) x 24 (RoHS)
PM-4324D-160P-MTCP CR	Modbus TCP, Multi-Circuit Power Meter; includes 100A CT (Inside diameter 16 mm; wire lead 4 m) x 24 (RoHS)
PM-4324D-240P-MTCP CR	Modbus TCP, Multi-Circuit Power Meter; includes 200A CT (Inside diameter 24 mm; wire lead 4 m) x 24 (RoHS)
PM-4324D-360P-MTCP CR	Modbus TCP, Multi-Circuit Power Meter; includes 300A CT (Inside diameter 36 mm; wire lead 4 m) x 24 (RoHS)
PM-4324D-400P-MTCP CR	Modbus TCP, Multi-Circuit Power Meter; includes 400A CT (Inside diameter 36 mm; wire lead 4 m) x 24 (RoHS)

CAN bus Interface (Available soon)	
PM-4324D-100P-CPS CR	CANopen, Multi-Circuit Power Meter; includes 60A CT (Inside diameter 10 mm; wire lead 4 m) x 24 (RoHS)
PM-4324D-160P-CPS CR	CANopen, Multi-Circuit Power Meter; includes 100A CT (Inside diameter 16 mm; wire lead 4 m) x 24 (RoHS)
PM-4324D-240P-CPS CR	CANopen, Multi-Circuit Power Meter; includes 200A CT (Inside diameter 24 mm; wire lead 4 m) x 24 (RoHS)
PM-4324D-360P-CPS CR	CANopen, Multi-Circuit Power Meter; includes 300A CT (Inside diameter 36 mm; wire lead 4 m) x 24 (RoHS)
PM-4324D-400P-CPS CR	CANopen, Multi-Circuit Power Meter; includes 400A CT (Inside diameter 36 mm; wire lead 4 m) x 24 (RoHS)