

Features

- Bi-directional Energy
- 8 Three Phase Circuits or 24 Single Phase Circuits
- True RMS Power Measurements
- Energy Analysis for 3P4W, 3P3W, 1P3W, 1P2W
- 2 Independent main circuit inputs for PM-4324A series
- Measure different current ranges with different 333mV CTs
- Voltage Measurements Up to 500 V
- Easy install with split core CT
- W Accuracy Better than 5% (PF=1)
- Total Harmonic Distortion (THD)
- Support RS-485, Ethernet or CAN bus Interface
- Support 2 Power Relay Output (Form A)



Introduction

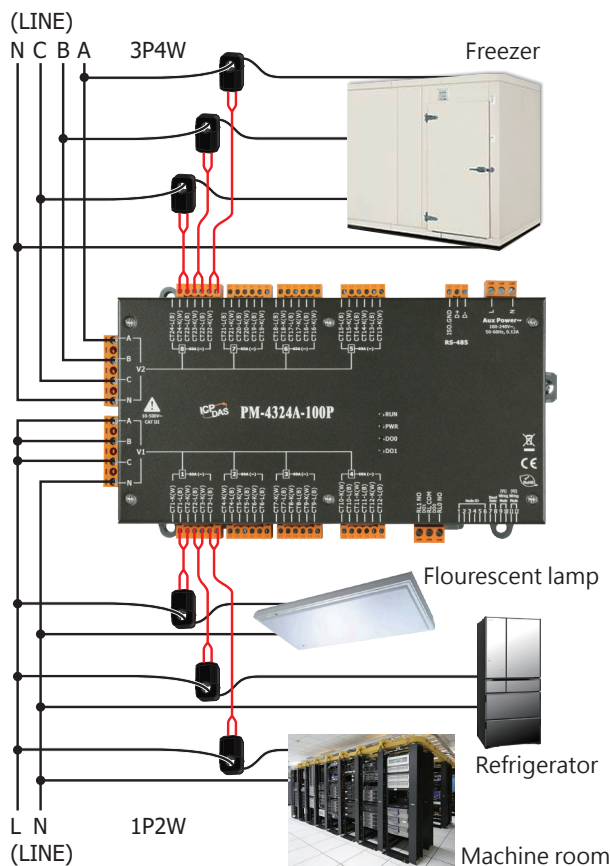
The PM-4324P series multi-circuit power meter monitors up to 8 three-phase circuits or 24 single-phase circuits, or any combination of single or three-phase circuits. The PM-4324P series can measure up to 24 currents via external Current Transformers (CTs). This flexibility makes the PM-4324P series 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. You can use CT's that you currently own with PM-4324P (without CTs) Power Meter. The CT inputs of the PM-4324P can be directly input from the secondary side of 333mV CT.

Specifications

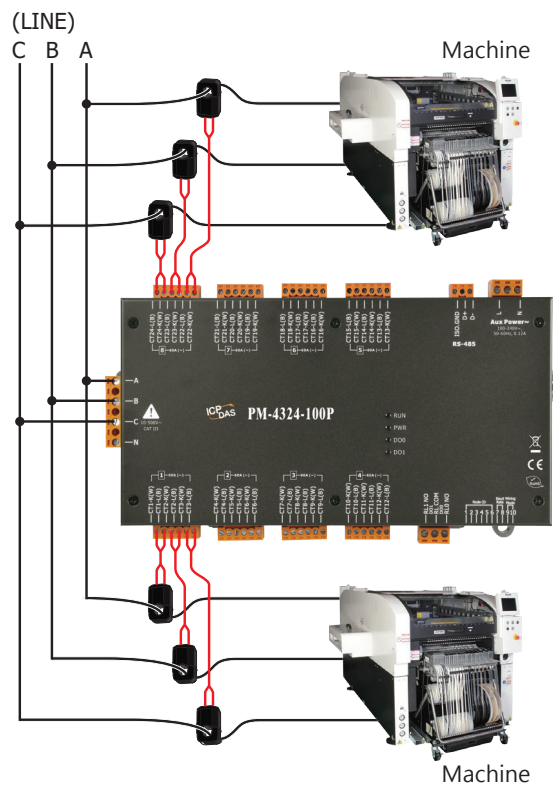
Models	PM-4324P	PM-4324P-MTCP	PM-4324P-CPS
AC Power Measurement			
Wiring	3P4W-3CT, 3P3W-2CT, 3P3W-3CT, 1P2W-1CT, 1P3W-2CT		
Measurement Voltage	10 ~ 500 V		
Measurement Current	Measure different current ranges with different 333mV CTs		
Measurement Frequency	50/60 Hz		
W Accuracy	Better than 5% (PF=1)		
Power Parameter Measurement	True RMS voltage (Vrms), True RMS current (Irms), 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		
Communication			
Interface	RS-485	Ethernet	CAN Bus
Protocol	Modbus-RTU	Modbus TCP	CANopen
Baud Rate	9600, 19200 (default), 38400, 115200; DIP Switch Selectable	-	125 k (default), 250 k, 500 k, 1 M; 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	-	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		
Power Consumption	6 W		
Mechanical			
Dimensions / Casing	237 mm x 52 mm x 134 mm (W x L x H) / Plastic		
Module Installation	DIN-Rail Mounting		
Environment			
Temperature	Operating Temperature: -20 ~ +70°C / Storage Temperature: -25 ~ +80°C		
Ambient Relative Humidity	10% ~ 90% RH, Non-condensing		

Wire Connections

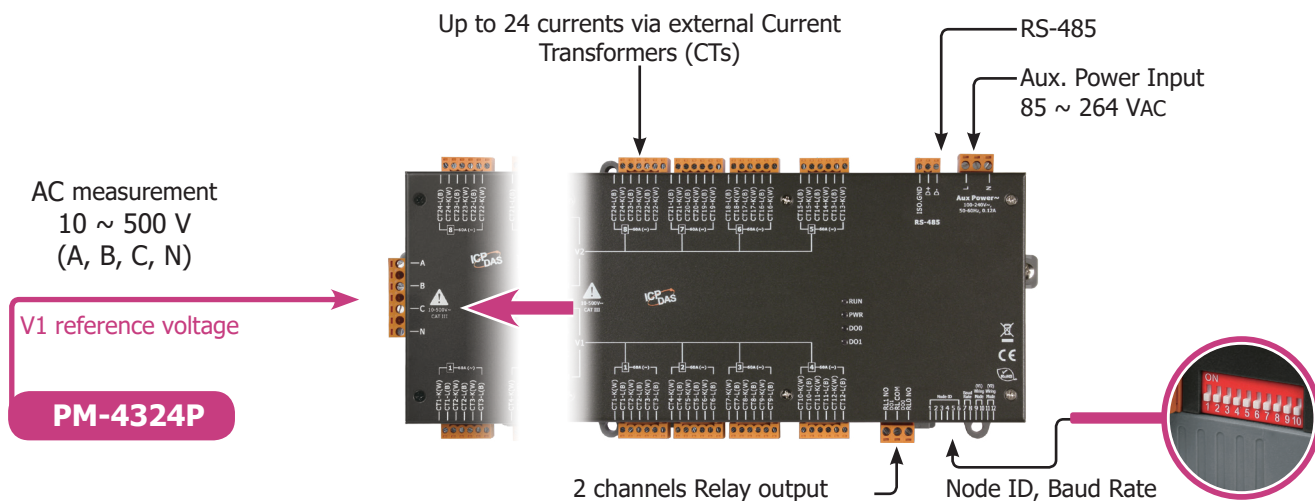
Dual Main Circuit 3P4W + 1P2W



Single Main Circuit 3P3W



Appearance



Ordering Information

RS-485 Interface	
PM-4324P CR	Modbus RTU, Multi-Circuit Power Meter (Can be directly input from the secondary side of 333mV CT) (RoHS)
Ethernet Interface	
PM-4324P-MTCP CR	Modbus TCP, Multi-Circuit Power Meter (Can be directly input from the secondary side of 333mV CT) (RoHS)
CAN bus Interface	
PM-4324P-CPS CR	CANopen, Multi-Circuit Power Meter (Can be directly input from the secondary side of 333mV CT) (RoHS)