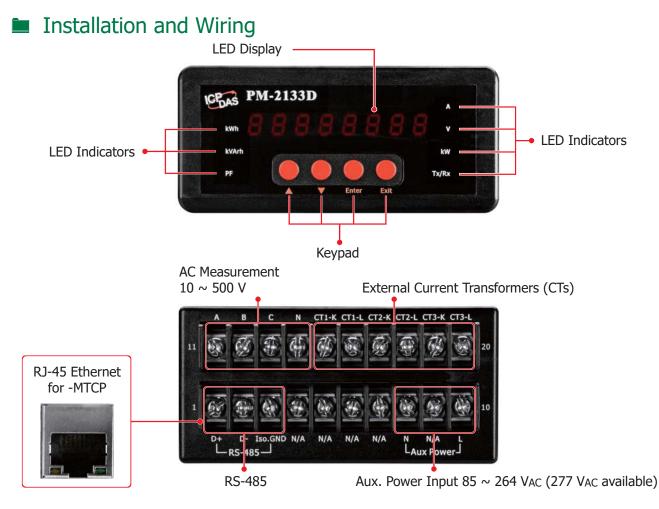


Introduction

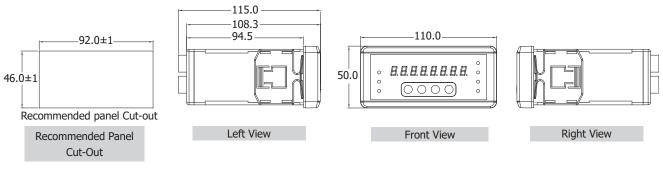
ICP DAS brings the most powerful, cost-effective, advanced Smart Power Meters PM-2133D series that gives you access to real-time electric usage for three-phase power measurement. With its high accuracy (<0.5%, PF=1), the PM-2133D series can be applied to both low voltage primary side and/or medium/high voltage secondary side and enables the users to obtain reliable and accurate energy consumption readings from the monitored equipments in real time under operation. These compact size and cost-effective power meters are equipped with revolutionary wired clip-on CT (various types, support input current up to 400 A). It operates over a wide input voltages range 10 \sim 500 VAC which allows worldwide compatibility. This meter has LED display shows power.

Models		PM-2133D	PM-2133D-MTCP	
AC Power Me	asurement			
Wiring		3P4W-3CT, 3P3W-2CT, 3P3W-3CT, 1P2W-1CT, 1P3W-2CT		
Input Voltage		10 ~ 500 V		
Input Current		CTØ10 mm (0.05 A~60 A); CTØ16 mm (0.1 A~100 A); CTØ24 mm (0.15 A~200 A);		
		CTØ36 mm (0.3 A~300 A); CTØ36 mm (0.3 A~400 A).		
Input Frequency		50 Hz (Range 45 ~ 55 Hz)/60 Hz (Range 55 ~ 65 Hz)		
W Accuracy		Better than 0.5% (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 (45 ~ 65 Hz)		
Data Update Rate		1 Second		
Display Type		LED display		
Communicati	on			
RS-485	Protocol	Modbus RTU	-	
	Baud Rate	9600,19200 (default), 38400, 115200	-	
	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	
Power				
Input Range		$+85 \sim +264 V_{AC}$ (277 V _{AC} available)		
Power Consumption		6 W		
Environment				
Operating Temperature		-20 ~ +70 °C		
Storage Temperature		-25 ~ +80 °C		
Ambient Relative Humidity		10% ~ 90% RH, Non-condensing		

Specifications



Dimensions (Units: mm)



Ordering Information

RS-485 Interface			
PM-2133D-100P CR	Modbus RTU, 3-phase power meter; includes 60A CT (Inside diameter 10 mm; wire lead 4 m) x 3 (RoHS)		
PM-2133D-160P CR	Modbus RTU, 3-phase power meter; includes 100A CT (Inside diameter 16 mm; wire lead 4 m) x 3 (RoHS)		
PM-2133D-240P CR	Modbus RTU, 3-phase power meter; includes 200A CT (Inside diameter 24 mm; wire lead 4 m) x 3 (RoHS)		
PM-2133D-360P CR	Modbus RTU, 3-phase power meter; includes 300A CT (Inside diameter 36 mm; wire lead 4 m) x 3 (RoHS)		
PM-2133D-400P CR	Modbus RTU, 3-phase power meter; includes 400A CT (Inside diameter 36 mm; wire lead 4 m) x 3 (RoHS)		
Ethernet Interface (Available soon)			
PM-2133D-100P-MTCP CR	Modbus TCP, 3-phase power meter; includes 60A CT (Inside diameter 10 mm; wire lead 4 m) x 3 (RoHS)		
PM-2133D-160P-MTCP CR	Modbus TCP, 3-phase power meter; includes 100A CT (Inside diameter 16 mm; wire lead 4 m) x 3 (RoHS)		
PM-2133D-240P-MTCP CR	Modbus TCP, 3-phase power meter; includes 200A CT (Inside diameter 24 mm; wire lead 4 m) x 3 (RoHS)		
PM-2133D-360P-MTCP CR	Modbus TCP, 3-phase power meter; includes 300A CT (Inside diameter 36 mm; wire lead 4 m) x 3 (RoHS)		
PM-2133D-400P-MTCP CR	Modbus TCP, 3-phase power meter; includes 400A CT (Inside diameter 36 mm; wire lead 4 m) x 3 (RoHS)		