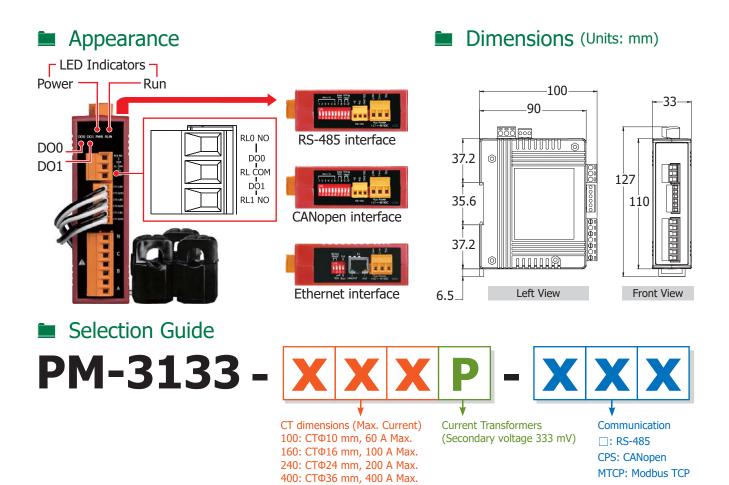


ICP DAS brings the most powerful, cost-effective, advanced Smart Power Meters PM-3133 series that gives you access to real-time electric usage for three-phase power measurement. With its high accuracy (<0.5%, PF=1), the PM-3133 series can be applied to both low voltage primary side and/or medium/high 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. And with 2 channels relay outputs, it can be linked with sirens or lightings for alarm messages. It also supports Modbus RTU, Modbus TCP or CANopen protocols for easy integration. You can use CT's that you currently own with PM-3133P (without CTs) Power Meter. The CT inputs of the PM-3133P can handle a maximum of 333mV of AC current.

Specifications

Models		PM-3133	PM-3133-MTCP	PM-3133-CPS	
AC Power Measu	rement	•	-		
Wiring		3P4W-3CT, 3P3W-2CT, 3P3W-3CT, 1P2W-1CT, 1P3W-2CT			
Measurement Voltage		10 ~ 500 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 (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					
	Protocol	Modbus RTU	-	-	
RS-485	Baud Rate	9600,19200 (default), 38400, 115200; DIP Switch Selectable	-	-	
	Data Format	N,8,1 (default); N,8,2; E,8,1; E,8,2; O,8,1; O,8,2	-	-	
	Isolation	3000 V _{DC}	-	-	
Ethernet (PoE)	Protocol	-	Modbus TCP	-	
CANopen	Protocol	-	-	CANopen	
	Baud Rate	-	-	125 k (default), 250 k, 500 k, 1 M; DIP Switch Selectable	
	Isolation	-	-	3000 V _{DC}	
Alarm Output					
Power Relay		Form A (Normal Open) x 2; Relay Contact Voltage Range: 5 A @ 250 V _{AC} (47 ~ 63Hz), 5 A @ 30 V _{DC}			
Power					
Power Input		+12 ~ 48 V _{DC}	+12 \sim 48 V_{DC} or PoE	+12 ~ 48 V _{DC}	
Power Consumption		2 W			
Environment					
Temperature		Operating Temperature: -20 ~ +70 °C / Storage Temperature: -25 ~ +80 °C			
Ambient Relative Humidity		10% ~ 90% RH, Non-condensing			



Ordering Information

RS-485 Interface				
PM-3133P CR	Modbus RTU, 3-phase power meter (Compatible with CTs from 50 to 1000 A/333 mV output) (RoHS)			
PM-3133-100 CR	Modbus RTU, 3-phase power meter; includes 60A CT (Inside diameter 10 mm; wire lead 1.8 m) x 3 (RoHS)			
PM-3133-160 CR	Modbus RTU, 3-phase power meter; includes 100A CT (Inside diameter 16 mm; wire lead 1.8 m) x 3 (RoHS)			
PM-3133-240 CR	Modbus RTU, 3-phase power meter; includes 200A CT (Inside diameter 24 mm; wire lead 1.8 m) x 3 (RoHS)			
PM-3133-400-L080 CR	Modbus RTU, 3-phase power meter; includes 400A CT (Inside diameter 36 mm; wire lead 8 m) x 3 (RoHS)			
PM-3133-100P CR	Modbus RTU, 3-phase power meter; includes 60A CT (Inside diameter 10 mm; wire lead 4 m) x 3 (RoHS)			
PM-3133-160P CR	Modbus RTU, 3-phase power meter; includes 100A CT (Inside diameter 16 mm; wire lead 4 m) x 3 (RoHS)			
PM-3133-240P CR	Modbus RTU, 3-phase power meter; includes 200A CT (Inside diameter 24 mm; wire lead 4 m) x 3 (RoHS)			
PM-3133-360P CR	Modbus RTU, 3-phase power meter; includes 300A CT (Inside diameter 36 mm; wire lead 4 m) x 3 (RoHS)			
PM-3133-400P CR	Modbus RTU, 3-phase power meter; includes 400A CT (Inside diameter 36 mm; wire lead 4 m) x 3 (RoHS)			

360P: CTΦ36 mm, 300 A Max. 400P: CTΦ36 mm, 400 A Max.

Ethernet Interface				
PM-3133P-MTCP CR	Modbus TC, 3-phase power meter (Compatible with CTs from 50 to 1000 A/333 mV output) (RoHS)			
PM-3133-100-MTCP CR	Modbus TCP, 3-phase power meter; includes 60A CT (Inside diameter 10 mm; wire lead 1.8 m) x 3 (RoHS)			
PM-3133-160-MTCP CR	Modbus TCP, 3-phase power meter; includes 100A CT (Inside diameter 16 mm; wire lead 1.8 m) x 3 (RoHS)			
PM-3133-240-MTCP CR	Modbus TCP, 3-phase power meter; includes 200A CT (Inside diameter 24 mm; wire lead 1.8 m) x 3 (RoHS)			
PM-3133-360P-MTCP CR	Modbus TCP, 3-phase power meter; includes 300A CT (Inside diameter 36 mm; wire lead 4 m) x 3 (RoHS)			
PM-3133-400P-MTCP CR	Modbus TCP, 3-phase power meter; includes 400A CT (Inside diameter 36 mm; wire lead 4 m) x 3 (RoHS)			

CAN bus Interface					
PM-3133-100-CPS CR	CANopen, 3-phase power meter; includes 60A CT (Inside diameter 10 mm; wire lead 1.8 m) x 3 (RoHS)				
PM-3133-160-CPS CR	CANopen, 3-phase power meter; includes 100A CT (Inside diameter 16 mm; wire lead 1.8 m) x 3 (RoHS)				
PM-3133-240-CPS CR	CANopen, 3-phase power meter; includes 200A CT (Inside diameter 24 mm; wire lead 1.8 m) x 3 (RoHS)				
PM-3133-360P-CPS CR	CANopen, 3-phase power meter; includes 300A CT (Inside diameter 36 mm; wire lead 4 m) x 3 (RoHS)				
PM-3133-400P-CPS CR	CANopen, 3-phase power meter; includes 400A CT (Inside diameter 36 mm; wire lead 4 m) x 3 (RoHS)				