

NEW

PM172 Series



**Utility Grade Series with
Two Ports for Simultaneous Communication**

- **3 communication protocols: ASCII, RTU Modbus, DNP3.0 Level 2**
 - **Class 0.5S accuracy**
- **Current measurement range up to 200%**
- **Switching Power Supply 110V - 220V AC/DC**

 **SATEC**
Powerful Solutions

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Class 0.5 Accuracy

Parameter	Accuracy: Reading, %
Voltage	0.25
Line current	0.2
Active power	0.4
Reactive power	0.4
Apparent power	0.4
Power factor	1
Frequency	0.1
Neutral (unbalanced) current	0.3
Ampere demand	0.2
kW demand	0.4
kVA demand	0.4
Total harmonic distortion	0.2
Total demand harmonic distortion	1.5
Active energy import & export	Class 0.5S (IEC 687-1992-6)
Reactive energy import & export	Class 0.5S (IEC 687-1992-6)
Apparent energy	Class 0.5S (IEC 687-1992-6)

Measurement error is typically much less than the maximum error specified here.



Ordering Information

PM172 - [] - [] - [] - [] - []

Model

P Power
E Energy

Voltage Inputs

0* 690V AC Nominal Voltage Input
U 120V AC Nominal Voltage Input

Current Inputs

1 1 Ampere
5* 5 Ampere

Power Supply

ACDC* 90 - 264V AC and 85 - 290V DC
1DC 10 - 20V DC
2DC 20 - 38V DC
3DC 38 - 72V DC

Analog Output

00 No Analog Output
2AP 2 Isolated Analog Outputs (0-1, 0+/-1, 0-20 4-20mA)

* Standard

Example: PM172P-0-5-ACDC-00 or PM172P-0-5-ACDC

- Bright LED displays (three windows, 6-digit energy counters)
- 2 communication ports: RS-232, RS-422/RS-485
- Communication LED indicators
 - Energy pulsing LED
- 2 sampling ranges 32/cycle, 128/cycle
 - Large memory - 512K
 - Event and data logging
 - Fast TOU setup
 - Accurate Real Time Clock
- Optional password protection for setup
 - 2 digital inputs
- 2 relays for energy pulsing (KYZ) or alarm / remote control
 - Failsafe relay operation
- Galvanically isolated current and voltage inputs
- 2 selectable analog outputs with internal power supply: 0-20mA, 4-20mA, 0-1mA, 1mA

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