

NEW

Trumeter Power Meters

- User selectable input scale
- 1% basic accuracy
- 4 parameter LCD display
- Triple bargraph display
- Programmable CT & PT ratios
- 2 user configurable alarms
- Dynamic backlight color
- Digital & analog outputs
- Modbus communication
- Custom alarm message



APM-PWR ▲ c

System:

- Single Phase, 2 or 3-wire
- Three Phase, 3 or 4-wire

Inputs:

- One - Three 600V AC
- One - Three 5A AC

Outputs:

- 2 Isolated Digital Outputs
- 4-20mA Analog Output
- Alarm Status (via Modbus)

Parameters Measured

Instantaneous:

- Voltage (L-L, L-N)
- Current (L-L, L-N)
- Reactive Power (VAr)
- Active Power (W)
- Apparent Power (VA)
- Frequency (Hz)
- Power Factor (PF)
- THD Voltage & Current
- Total Energy (kWh or KVAh)
- Phase Angle (via Modbus)

The APM-PWR are panel mounted energy meters that measure active, reactive & apparent power, as well as many other electrical parameters. They are designed for use on single-phase and three-phase systems up to 600V & 5A direct, or with external PTs and CTs. Dynamic backlighting, in conjunction with setpoints, provides a visual alert when a parameter is out of range. Analog & digital outputs can be used to activate external alarms or control other devices.

SPECIFICATIONS

System:	1P2W, 1P3W, 3P3W, 3P4W
Measurement Range (AC):	10 to 600V L-L, 10-300V L-N (direct); 0 to 5A (direct); 45-65Hz
PT Range:	1:1 to 1000:1 with external PT (programmable)
CT Range:	1:1 to 1000:1 with external CT (programmable)
Accuracy:	1% (THD 5%) of range
Display Type:	Positive (black letters on white or color background) Negative (white or colored letters, black background)
LCD Display:	Shows up to 4 parameters plus bargraphs and custom alarm message
Dynamic Backlight:	Red, Green, White (selectable via setpoints)
Temperature:	-10 to +50°C operating
IP Rating (front):	NEMA 4, NEMA 12, IP65
Power Supply:	100-277V, 50/60Hz, 2W max.
Digital Outputs:	Two pull down; 24V, 15mA max. Momentary, opto-isolated
Analog Output:	4-20mA
Alarms:	4 alarm setpoints, 10 user configurable alarms
Communications:	Modbus RTU
Connections:	Screw terminals
Dimensions:	72x72x75mm. Panel cutout 68x68mm

ORDERING INFORMATION

APM-PWR-APO	APM Power Meter, Positive LCD
APM-PWR-ANO	APM Power Meter, Negative LCD