

Trumeter Shunt & CT Meters

- Large 4 digit main display
- Alphanumeric display for units, alarm or custom message
- 40 segment curved bargraph
- Dynamic backlight color
- Optional digital & analog outputs
- USB setup software



APM ▲



Two programmable setpoints can trigger the display to change color, flash, change annunciator message or all three at once. Trip when input is above, below, between or outside the setpoints.

SPECIFICATIONS

	SHUNT	CT
Input Range:	0 - 1V DC	0 - 5A AC
with CT or Shunt:	10,000A	10,000A
Input Impedance:	1MΩ	CT rated
Accuracy:	0.1% of signal or 0.5mV	0.5%
Main Display:	4 digits, 12mm [0.47"] high	
Annunciator Display:	4 alphanumeric characters, 6mm [0.23"] high	
Backlight Colors:	Red, Green, White (user selectable)	
Positive LCD Display:	Black scale on white or colored background	
Negative LCD Display:	White or colored scale on black background	
Programmable Items:	Digital display offset, gain, range; Bargraph span; Custom annunciators; Backlight color & intensity; Two alarm setpoints; Digital & analog outputs	
Setup:	Rear panel dip switch for standard configurations, USB 2.0 port for custom settings	
Free Software:	Windows based APM Configurator application	
Temperature:	-10 to +60°C operating	
Front Protection:	IP65, NEMA 4, NEMA 12	
Power Supply:	12-24 VDC ±10%	
Output Models:	Two independent analog/digital outputs	
Max Voltage:	24V	
Max Current:	50mA	
Analog Output:	4-20mA	
Certification:	UL and cUL, CE	
Dimensions:	72x72x53mm. Panel cutout 68x68mm	

ORDERING INFORMATION

APM-SHUNT-APO	APM Shunt Meter, Positive LCD with Outputs*
APM-SHUNT-ANO	APM Shunt Meter, Negative LCD with Outputs*
APM-CT-APN	APM CT Meter, Positive LCD
APM-CT-APO	APM CT Meter, Positive LCD with Outputs
APM-CT-ANN	APM CT Meter, Negative LCD
APM-CT-ANO	APM CT Meter, Negative LCD with Outputs
022128-01	USB Cable

*Shunt models are non-isolated - for low side DC applications only

Trumeter Power Meters

- User selectable input scale
- 1% basic accuracy
- 4 parameter LCD display
- 20 segment bargraph display
- Front panel or USB setup
- 2 user configurable alarms
- Dynamic backlight color
- Digital/pulse & analog outputs
- Modbus communication
- Free setup software



APM-POWER ▲



The APM Power Meters are panel mounted energy meters that measures active and reactive power, as well as many other electrical parameters. They are designed for use on single-phase and three-phase mains applications up to 600V. 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 (P1 model):	1P2W, 1P3W, 3P4W Balanced
System (P3 model):	1P2W, 1P3W, 3P3W, 3P3W Balanced, 3P4W, 3P4W Balanced
Input Range (AC):	10 to 600V L-L, 10-300V L-N; 0 to 1000A with external CT
Accuracy:	1% (THD 5%)
Display Modes:	Instantaneous or maximum
LCD Display:	Shows up to 4 parameters simultaneously on the combined digital & bargraph display
Dynamic Backlight:	Red, Green, White (selectable via setpoints)
Setup:	From front panel or USB port
Free Software:	Windows based APM Configurator application
Temperature:	-10 to +60°C operating
IP Rating:	IP65 front
Power Supply:	90-264V, 50/60Hz, 3W max.
Digital Outputs:	Two pull down; 24V, 15mA max. Momentary, latched or pulsed
Analog Output:	4-20mA
Digital Inputs:	Switch closure to low for Reset & Lock
Communications:	Modbus RTU (P3 model)
Connections:	Screw terminals
Dimensions:	72x72x75mm. Panel cutout 68x68mm

ORDERING INFORMATION

APM-P1-APO	APM Power Meter, single & split-phase
APM-P3-APO	APM Power Meter, single, split & 3-phase
022128-01	USB Cable

System:

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

Inputs:

- One or Three 600V AC
- One or Three 1000A via CT
- Two Digital Inputs

Outputs:

- Isolated 3kV
- 2 Digital/Pulse Outputs
- 4-20mA Analog Output
- Modbus RTU (P3 model)

Parameters Measured

Demand:

- Active Energy
- Total
- Sub-total

Instantaneous & Max:

- Voltage (V)
- Current (I)
- Reactive Power (VAR)
- Active Power (W)
- Apparent Power (VA)
- Frequency (Hz)
- Power Factor (PF)
- THD Voltage & Current