APM Power Meter

For single-phase, split-phase & 3-phase mains networks

Key Features

- For single-, split- and 3-phase applications.
- Measures Active (W), Reactive (VAr) and Apparent (VA) power.
- Displays electrical parameters on large, backlit LCD display.
- Features two independent opto-isolated digital outputs plus one analog 4-20mA output.
- Includes MODBUS® RTU communication as standard.
- Provides clear indication of electrical circuit performance.
- User-programmable scale and custom alarm messages display critical parameters and immediately alerts operators when a parameter is out of range.
- Programmable Current Transformer (CT) and Potential Transformer (PT) ratios.

Go to www.trumeter.com/apm for further information
Specifications

NETWORKS
1P2W, 1P3W, 3P3W, 3P4W,

MEASUREMENT

Frequency 45 - 65 Hz
Voltage measurement range
L-L 0 - 600VAC
L-N 10 - 300VAC
Programmable PT range 1:1 to 1000:1
Current measurement range 0 - 5A
Programmable CT range 1:1 to 1000:1
Accuracy 1% (THD 5%) of full scale

ENVIRONMENTAL
Temperature - operating -10 to +50°C
Temperature - storage -40 to +70°C
IP rating (from the front) IP65, NEMA type 4 and NEMA type 12

POWER SUPPLY
Input 100 - 277 VAC
Supply frequency 50-60Hz
Max power 2W

DISPLAY
Backlight colors Red, Green, White

DIGITAL OUTPUTS
Number 2
Type Opto-Isolated
Operating modes Momentary
Max voltage 24VDC
Max sink current 15mA

ANALOG OUTPUTS
Number 1
Analog output 4-20mA

COMMUNICATION
Modbus® RTU

CERTIFICATION
CE, RoHS, UL

Dimensions:
Panel Cutout: 68mm x 68mm
[2.68" x 2.68"] as per DIN43700/IEC61554

Wiring Diagrams and Isolation

Single phase 2-wire (1P2W)

Control Outputs

Isolation

Part Numbers

APM-PWR-APO APM Power Meter, Positive LCD
APM-PWR-ANO APM Power Meter, Negative LCD (available with an extended lead time)
APM-PWR-XXX Custom Option