APM Power Meter
For single-phase, split-phase & 3-phase mains networks

Advanced Panel Meter (APM)

- Programmable dynamic backlight color
- Warning flash
- Programmable scale
- Measure single-, split- and 3-phase
- 2 Digital Outputs
- 1 Analog Output
- USB port for custom user settings via the free easy-to-use software
- User configurable alarms
- Instantaneous: Voltage (L-L and L-N), Current (L-L and L-N), Reactive Power (VAr), Active Power (W), Apparent Power (VA), Frequency (Hz), Power Factor (PF), THD Voltage & Current, % Max Load, Alarm Status (available on Modbus communication), Phase Angle (available on Modbus communication)
- Networks: Single phase, 2-wire, Single phase, 3-wire (split-phase), 3-phase, 3-wire, 3-phase, 4-wire
- Combined digital and bar graph display
- Front panel navigation buttons
- Less than 75mm deep
- 1% Accuracy

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 (pending)

Dimensions:

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

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