

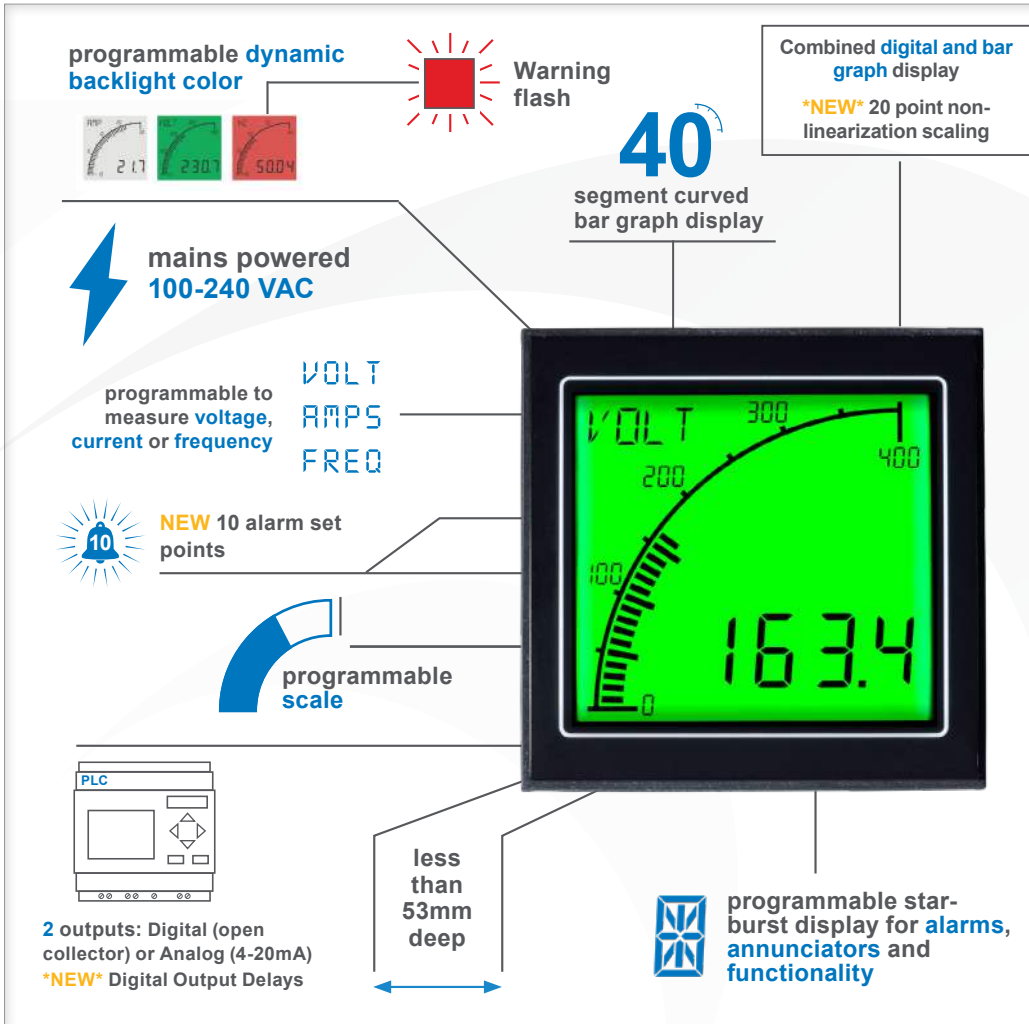


M2 AC Mains Powered Meter

3-in1 for measuring volts, amps or frequency

EVALUATION KIT AVAILABLE
Contact us to request yours

Advanced Panel Meter (APM)



Overview

Measurement:

- Volts: 0-600 AC or DC
- Amps: 0-5A Direct
0-10,000A via CT
- Frequency: 2Hz-400Hz

Outputs x2:

- digital open collector
- analog 4-20mA

Input Power

- 100-240VAC

Configuration:

- PC Application via USB

Display Options:

- Available in either



POSITIVE
NEGATIVE



Key Features

- Mains powered 100-240VAC - no additional power supply needed.
- User configurable to measure voltage, current or frequency via APM application.
- User-programmable bar graph and alarms to immediately alert operators when a parameter is out of range.
- 4 character messaging area displays custom messages, alarms and annunciators.
- Interface to other equipment using digital and analog outputs.
- Two LCD options: positive (as shown) for use in bright conditions or negative for use in darker environments.
- Customizable scale, including offset and gain, range (min and max) and linear.
- ***NEW*** T20 point non-linearization scaling for non-linear sensors e.g. thermocouples and pressure transducers.
- ***NEW*** 10 independent alarm set-points can be configured to change the backlight and/or message when input is in or out of range.
- ***NEW*** Configurable digital output delays (control the time output stays open/closed - .5 seconds – 120 seconds).

Specifications

POWER SUPPLY

| | |
|------------------|--------------|
| Input | 100 - 240VAC |
| Max Power | 1.6W |
| Supply Frequency | 47-63Hz |

ENVIRONMENTAL

| | |
|----------------------------|--|
| Temperature - operating | -10 to +60°C |
| Temperature - storage | -40 to +70°C |
| IP rating (from the front) | IP65, NEMA type 4 and NEMA type 12 (UL 50) |

DISPLAY

| | |
|------------------------------------|-------------------|
| User-Configurable Backlight Colors | Red, Green, White |
|------------------------------------|-------------------|

ANALOG OUTPUT

| | |
|------------|---------|
| Output | 4-20 mA |
| Accuracy | 0.50 % |
| Resolution | 0.02 mA |

OPEN COLLECTOR OUTPUTS

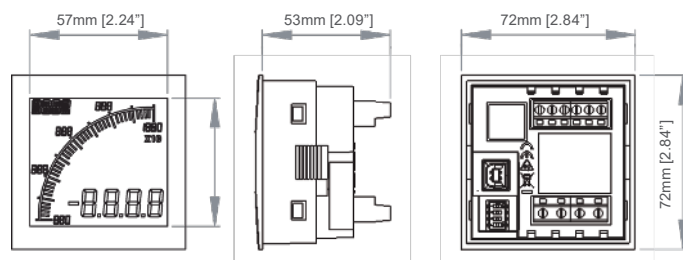
| | |
|--------------------------------------|--------|
| Max voltage (open collector outputs) | 34 VDC |
| Max current (open collector outputs) | 500 mA |

CERTIFICATION

| |
|--------------------|
| CE, RoHS, UL, UKCA |
|--------------------|

MECHANICAL

| | |
|-----------------|--|
| Dimensions | 72mm x 72mm x 53mm [2.83" x 2.83" x 2.09"] |
| Cutout | 68mm x 68mm [2.68" x 2.63"] |
| Connection Type | Screw Terminals |
| Wire Gauge | 0.8mm ² - 3.3mm ² (18AWG to 12AWG) |
| Weight | 180 grams |



Part Numbers

APM-M2-APO APM AC/MAINS Powered - 100-240 VAC with Positive LCD
APM-M2-ANO APM AC/MAINS Powered - 100-240 VAC with Negative LCD
022128-01 USB Cable
022150-01 APM Evaluation Kit

BY REQUEST: Modbus Connectivity

APM-M2-APS APM AC/MAINS Powered - 100-240 VAC, Positive LCD with Modbus
APM-M2-ANS APM AC/MAINS Powered - 100-240 VAC, Negative LCD with Modbus

Full specifications available online www.trumeter.com/apm

