

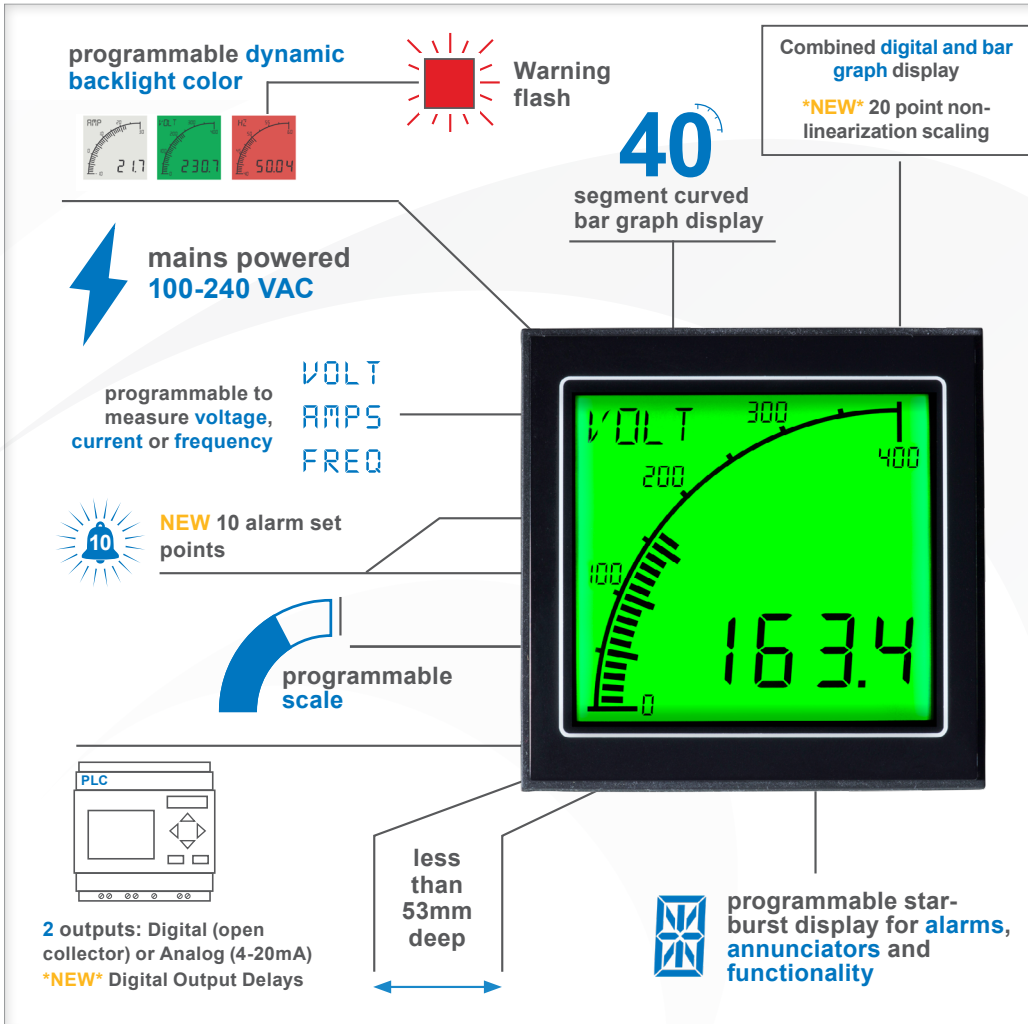


# M2 AC Mains Powered Meter

3-in1 for measuring volts, amps or frequency

EVALUATION KIT AVAILABLE  
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## 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



## 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
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### ANALOG OUTPUT

Output	4-20 mA
Accuracy	0.50 %
Resolution	0.02 mA

### OPEN COLLECTOR OUTPUTS

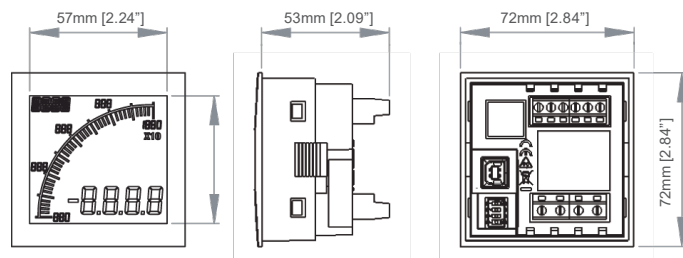
Max voltage (open collector outputs)	34 VDC
Max current (open collector outputs)	500 mA

### CERTIFICATION

CE, RoHS, UL, UKCA
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### 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 <sup>2</sup> - 3.3mm <sup>2</sup> (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](http://www.trumeter.com/apm)

