



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)



programmable dynamic backlight color

Warning flash

mains powered 100-240 VAC

programmable to measure voltage, current or frequency

NEW 10 alarm set points

programmable scale

less than 53mm deep

programmable starburst display for alarms, annunciators and functionality

trumetercloud READY

40° segment curved bar graph display

VOLT
AMPS
FREQ

2 outputs: Digital (open collector) or Analog (4-20mA)
***NEW* Digital Output Delays**

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).

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

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

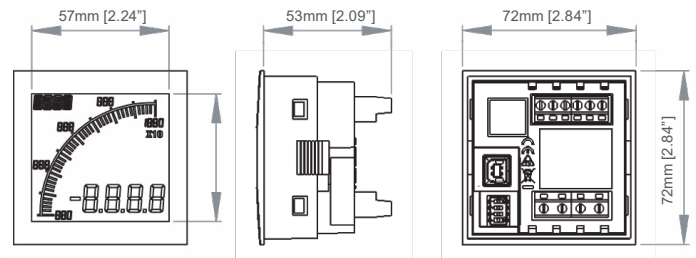
Max voltage (open collector outputs)	34 VDC
Max current (open collector outputs)	500 mA

CERTIFICATION

	CE, RoHS, UL
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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 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

We can **customize our APMs** to match your requirements, adding extra **functionality** or **communication protocols** to suit your needs. If you can't find what you're looking for, **ask about our custom solutions!**



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