trumeter
innovation by design



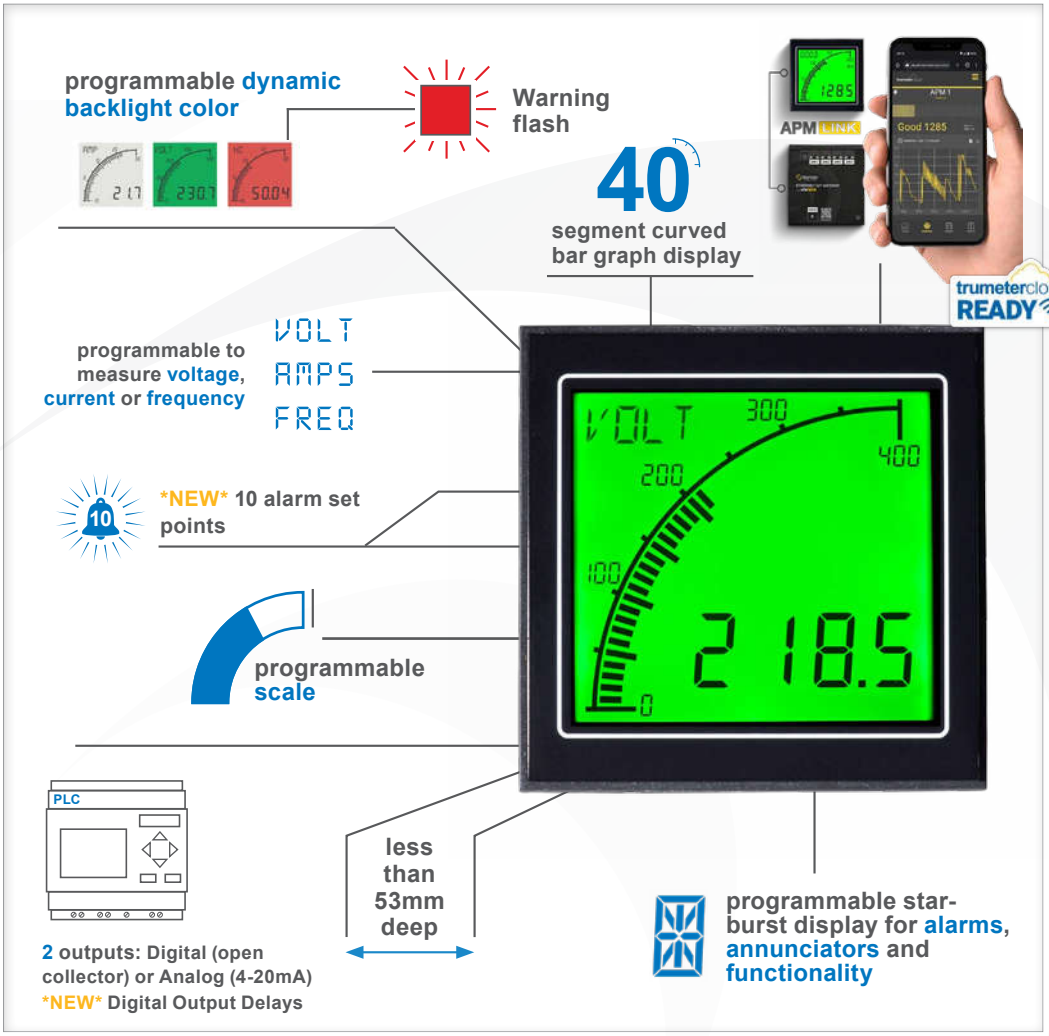
M1 Multi Meter

3-in1 for measuring volts, amps or frequency

EVALUATION KIT AVAILABLE
Contact us to request yours

THREE YEAR 3 WARRANTY

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:
- 2x: digital open collector or analog 4-20mA

Configuration:
- PC Application via USB

Display Options:
- Positive LCD
- Negative LCD



POSITIVE
NEGATIVE

c UL us LISTED Open-type Measuring and Testing Equipment E469787

CE RoHS

Key Features

- 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 analogue 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

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Specifications

POWER SUPPLY

Input	12-24V AC/DC +/-10%
Max Power	1.6W
Supply Frequency	50-400Hz

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

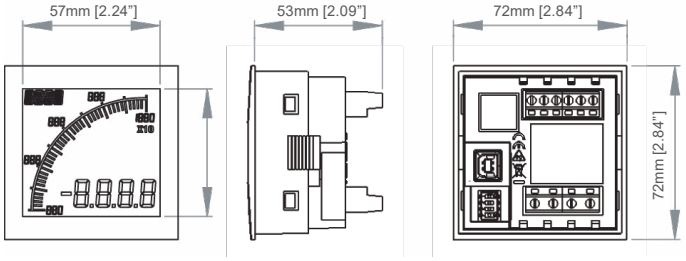
Max voltage (open collector outputs)	34 VDC
Max current (open collector outputs)	500 mA

CERTIFICATION

CE, RoHS, UL, cUL

MECHANICAL

Dimensions	72mm x 72mm x 53mm [2.83” x 2.83” x 2.09”]
Cutout	68mm x 68mm [2.68” x 2.68”]
Connection Type	Screw Terminals
Wire Gauge	0.8mm² - 3.3mm² (18AWG to 12AWG)
Weight	180 grams



Part Numbers

APM-M1-APO	APM M1 Meter Positive LCD
APM-M1-ANO	APM M1 Meter 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!**

custom is our passion



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