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M2 AC Mains Powered 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 x2:
- digital open collector
- analog 4-20mA

Input Power
- 100-240VAC

Configuration:
- PC Application via USB

Display Options:
- Available in either



POSITIVE
NEGATIVE

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

CE RoHS

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

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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

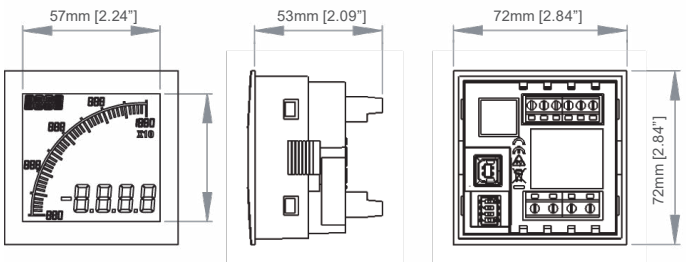
Max voltage (open collector outputs)	34 VDC
Max current (open collector outputs)	500 mA

CERTIFICATION

CE, RoHS, UL

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	0.8mm² - 3.3mm² (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!**

custom is our passion



www.trumeter.com

Trumeter (The Americas)
6601 Lyons Rd, Suite H-7
Coconut Creek, Florida
FL 33073,
USA
Tel: +1 954 725 6699
Email: sales.usa@trumeter.com

Trumeter (Europe)
Pilot Mill
Alfred Street
Bury,
BL9 9JR
Tel: +44 161 674 0960
Email: sales.uk@trumeter.com

Innovative Design Technologies Sdn. Bhd
Lot 5881, Lorong Iks Bukit Minyak 1
Taman Perindustrian Iks, 14000 Bukit Tengah
Penang, Malaysia
Web: www.idtworld.com
Tel: + 604 5015700
Email: sales.my@idtworld.com