



AC Mains Powered Meter

Advanced Panel Meter

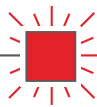
For measuring volts, amps or frequency



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.

programmable **dynamic backlight color**



Warning flash

Combined **digital and bar graph display**

40

segment curved bar graph display

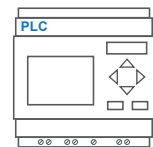
mains powered 100-240 VAC

programmable to measure **voltage, current or frequency**

VOLT
AMPS
FREQ

user configurable alarms

programmable scale



2 outputs - digital and analog

less than 53mm deep



programmable starburst display for **alarms, annunciators and functionality**

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



MEASURING AND TESTING EQUIPMENT E469787



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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

Display

User configurable	
Backlight Colors:	Red, Green, White

Analog Output

Output	4-20 mA
Accuracy	0.50 %
Resolution	0.02 mA

Open Collector Outputs

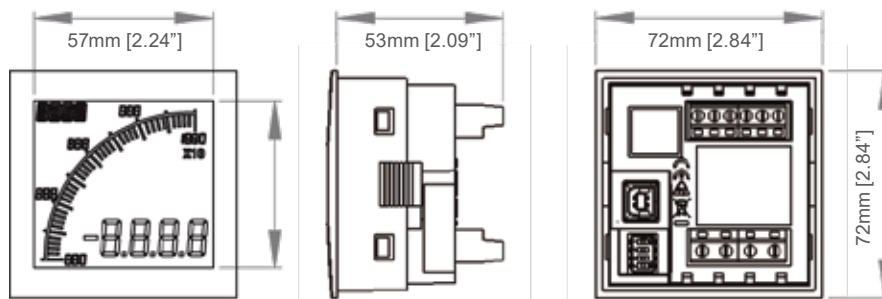
Max voltage (open collector outputs)	34 VDC
Max current (open collector outputs)	500 mA

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	0.8mm ² - 3.3mm ² (18AWG to 12AWG)
Weight	180 grams

Dimensions:



Panel cutout: 68mm x 68mm [2.68" x 2.68"] as per DIN43700/IEC61554

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
USB Cable

By Request

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 022128-01