

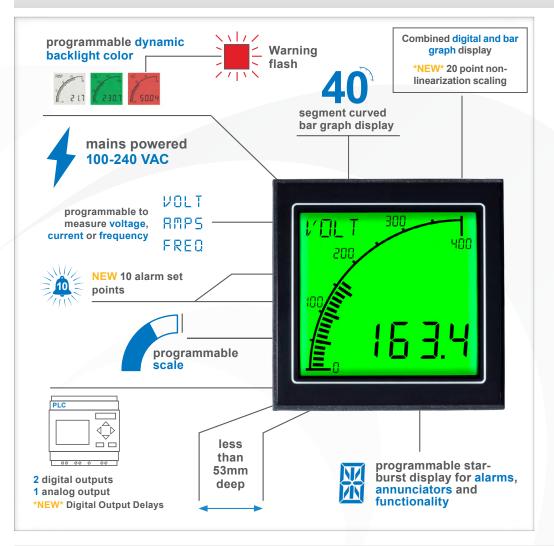
# **M2 AC Mains Powered Meter**

3-in1 for measuring volts, amps or frequency



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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

### **DISPLAY**

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User-Configurable Backlight Colors	Red, Green, White

### **ANALOG OUTPUT**

Output	4-20 mA
Accuracy	0.50 %
Resolution	0.02 mA

### **OPEN COLLECTOR OUTPUTS**

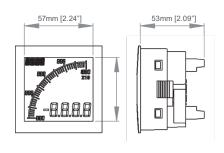
Max voltage (open collector outputs)	34 VDC
Max current (open collector outputs)	500 mA

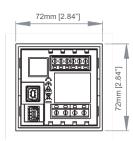
### **CERTIFICATION**

CE, RoHS, UL, UKCA

### **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



