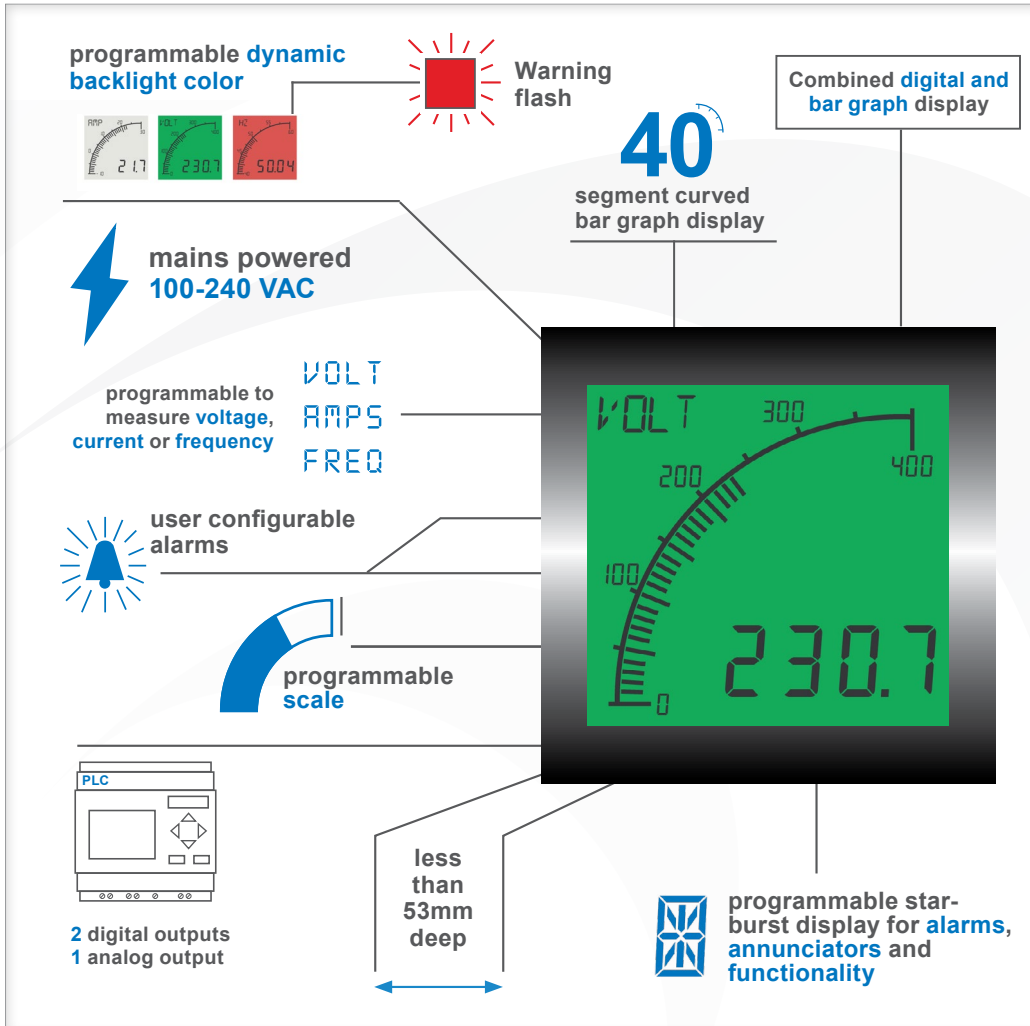




AC Mains Powered Meter

For measuring volts, amps or frequency

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
- 1x analogue 4-20mA

Input Power

- 100-240VAC

Configuration:

- PC Application via USB

Display Options:

- Positive LCD
- Negative LCD



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 analogue outputs.
- Two LCD options: Positive (as shown) for use in bright conditions or Negative for use in darker environments.

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 Colours	Red, Green, White
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ANALOGUE OUTPUT

Output	4-20 mA
Accuracy	0.50 %
Resolution	0.02 mA

OPEN COLLECTOR OUTPUTS

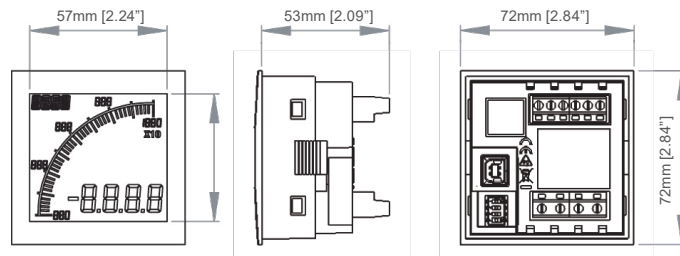
Max voltage (open collector outputs)	34 VDC
Max current (open collector outputs)	500 mA

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



Part Numbers

APM-M2-APO	APM MAINS M2 100-240VAC Positive LCD
APM-M2-ANO	APM MAINS M2 100-240VAC Negative LCD
022128-01	USB Cable