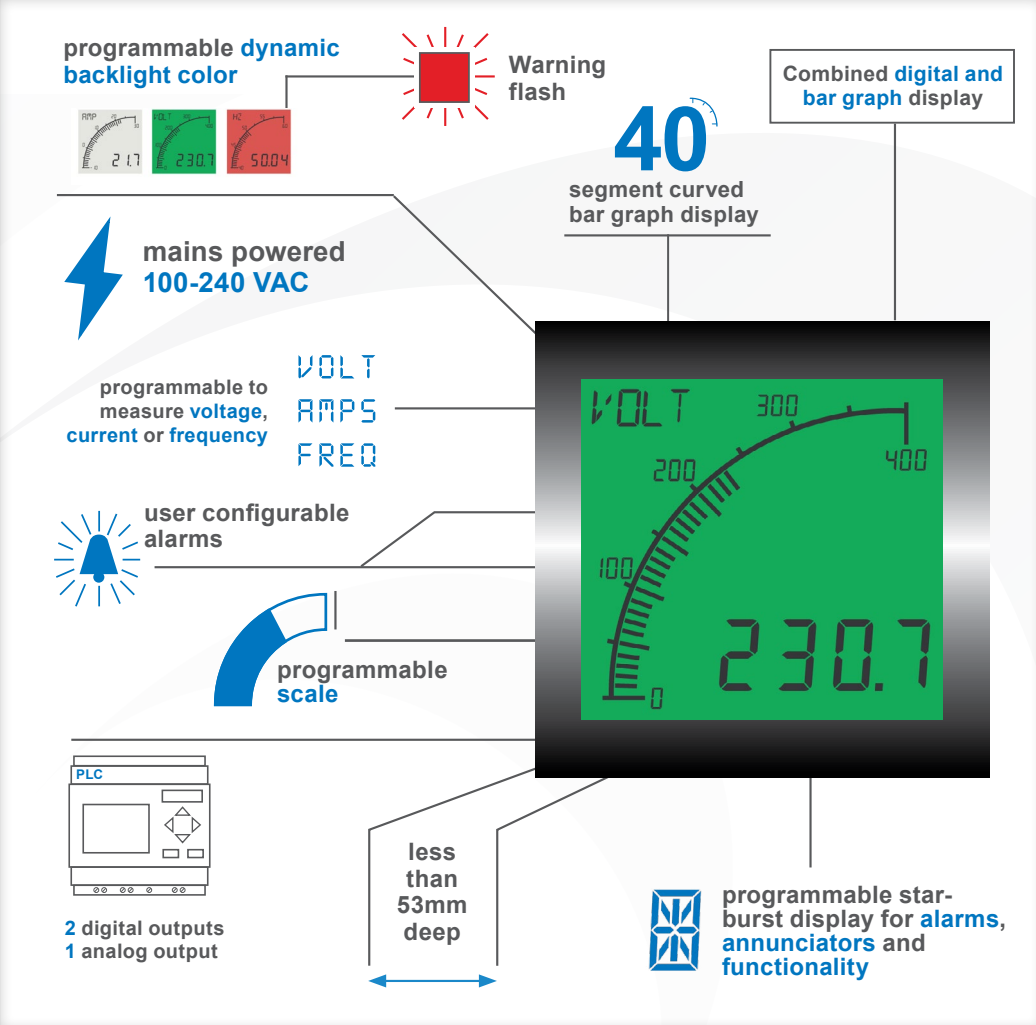




AC Mains Powered Meter

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

Open-type Measuring and Testing Equipment
E469787

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 |
|-------------------------------------|-------------------|

ANALOGUE OUTPUT

| | |
|------------|---------|
| Output | 4-20 mA |
| Accuracy | 0.50 % |
| Resolution | 0.02 mA |

OPEN COLLECTOR OUTPUTS

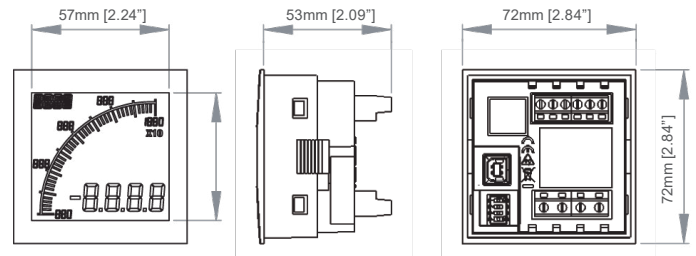
| | |
|--------------------------------------|--------|
| Max voltage (open collector outputs) | 34 VDC |
| Max current (open collector outputs) | 500 mA |

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 |

