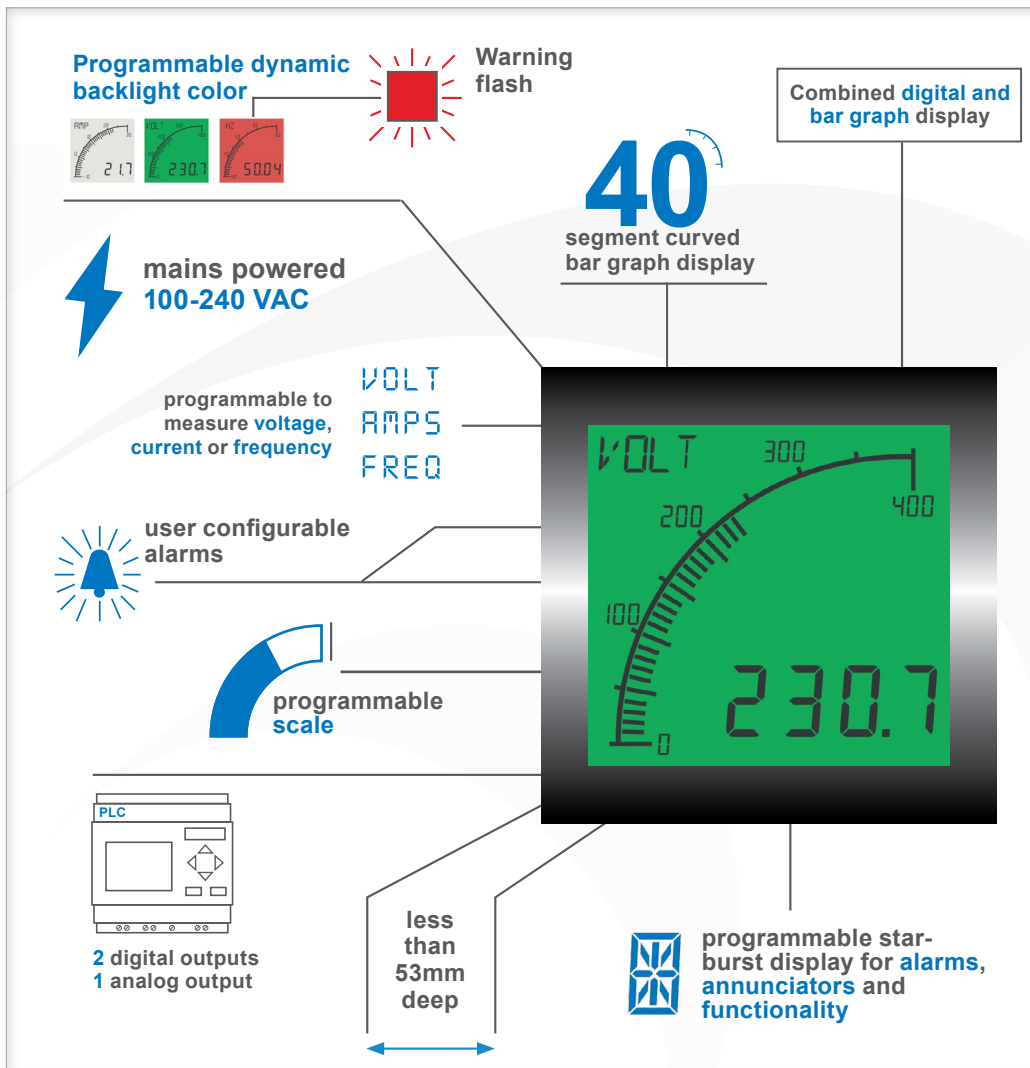


# AC Mains Powered Meter

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.

Go to [www.truAPM.com](http://www.truAPM.com) for further information

## 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

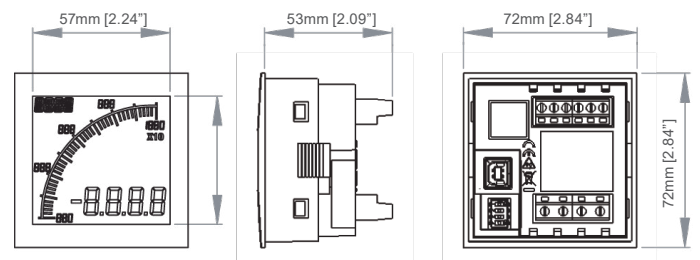
|                                      |        |
|--------------------------------------|--------|
| Max voltage (open collector outputs) | 34 VDC |
| Max current (open collector outputs) | 500 mA |

### 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 <sup>2</sup> - 3.3mm <sup>2</sup> (18AWG to 12AWG) |
| Weight          | 180 grams  |



## Part Numbers

|                   |                                      |
|-------------------|--------------------------------------|
| <b>APM-M2-APO</b> | APM MAINS M2 100-240VAC Positive LCD |
| <b>APM-M2-ANO</b> | APM MAINS M2 100-240VAC Negative LCD |
| <b>022128-01</b>  | USB Cable                            |



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