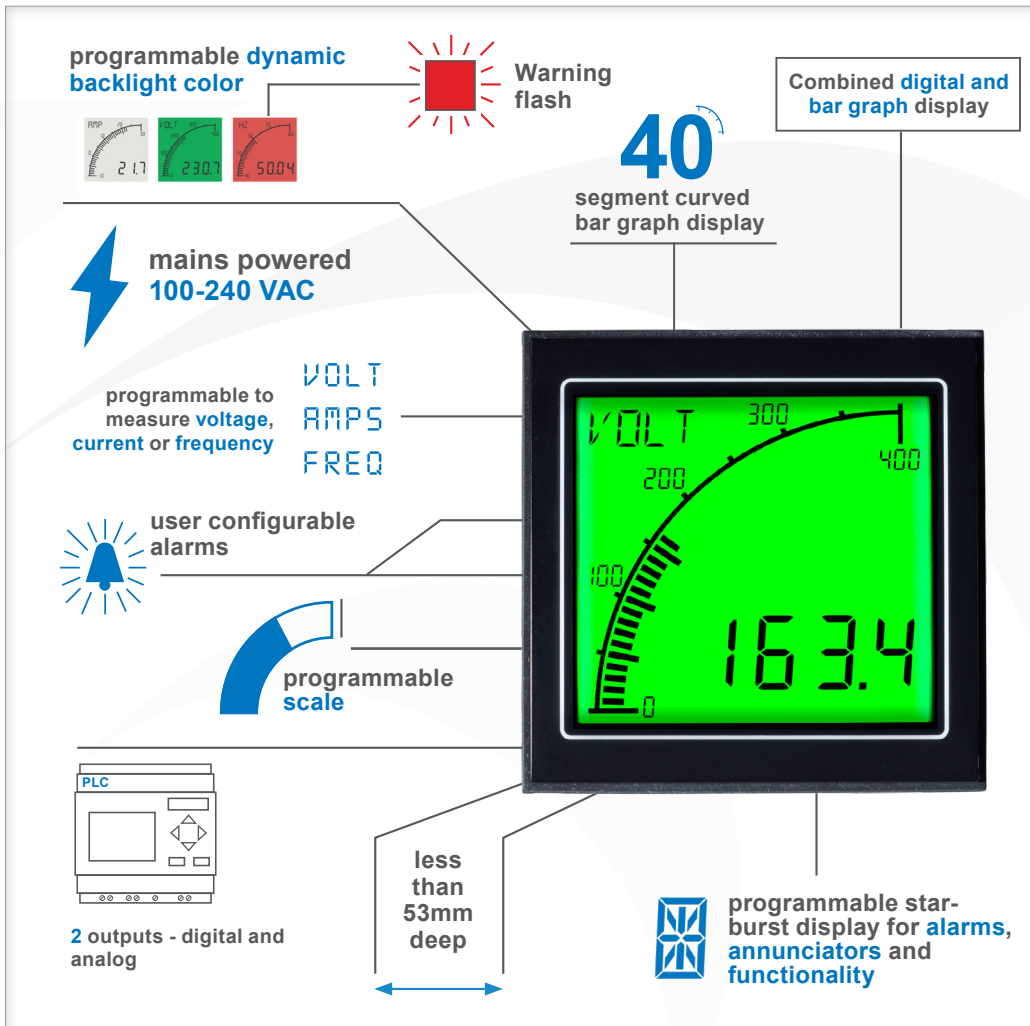




# AC Mains Powered Meter

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 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.

## 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

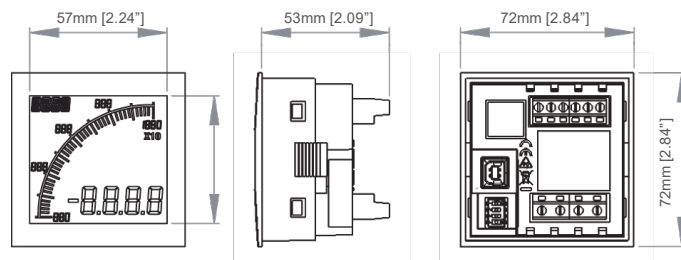
|                                      |        |
|--------------------------------------|--------|
| Max voltage (open collector outputs) | 34 VDC |
| Max current (open collector outputs) | 500 mA |

### 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 <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

### 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

Full specifications available online [www.trumeter.com/apm](http://www.trumeter.com/apm)