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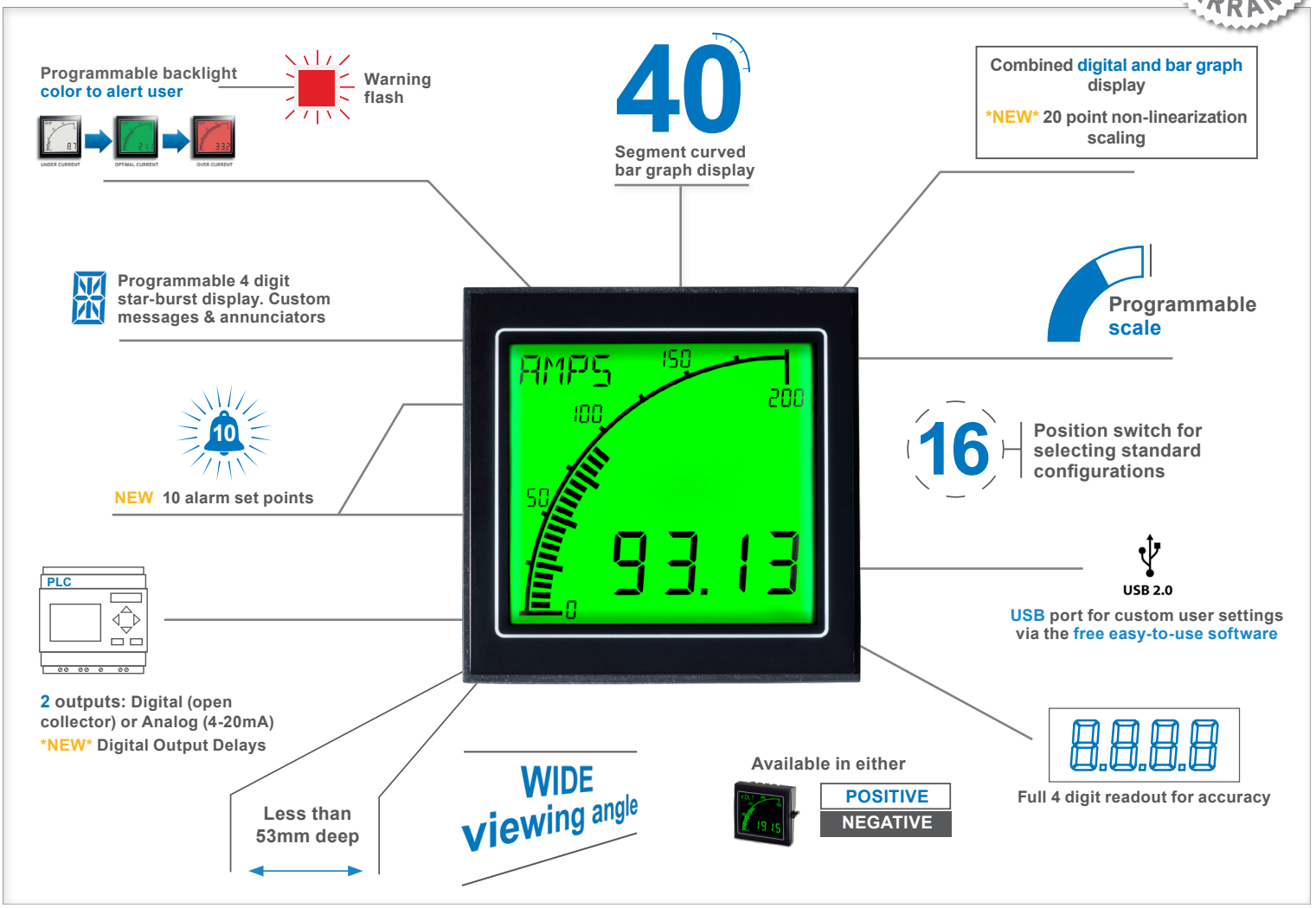
# The Advanced Panel Meter

## APM Range

**EVALUATION KIT AVAILABLE**
Contact us to request yours

THREE YEAR 3 WARRANTY

**MODELS:** Volt Meter, Ammeter, Frequency Meter




**The most visible, easy to use, programmable panel meter on the market. The APM provides accurate measurement with an immediate visual indication of critical parameters. It has been designed for engineers who require a more effective way of monitoring and displaying data.**

The unique display combines traditional moving coil meters with the latest digital panel meters and it features a multitude of options that can be set using the APM software. The backlight can be programmed to change color to alert the operator when the current or voltage supply is too high or too low, reducing the risk of equipment failing and improving efficiency.

**Go to www.trumeter.com/apm for further information**

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custom is our passion

# Key Features

## Unique Display

- 40 segment bar graph display
- Large 4 digit display
- Separate Starburst display area for annunciators, messages and alarm information
- Dynamic backlight colour

## Visibility

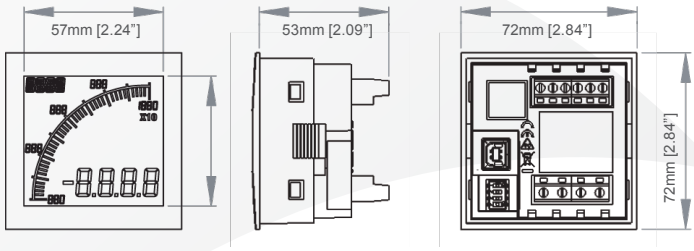
- User adjustable backlight brightness and colour
- Large display
- Wide viewing angle (both horizontal and vertical)
- Custom annunciators
- Positive and negative LCD options for indoor or outdoor environments

## Programmable

- Scale (offset, gain and linear) and Range (min and max)
- User selectable backlight color and intensity
- ***NEW*** 20 point non-linearization scaling for non-linear sensors e.g. thermocouples and pressure transducers
- ***NEW*** Ten independent alarm set-points
- ***NEW*** Configurable digital output delays (control the time output stays open/ closed - .5 seconds – 120 seconds)

| MEASUREMENT | VOLT | AMP | FREQUENCY |
|---|---|---|---|
| Input range (DC) | 0 - 600V | 0 - 5A | - |
| Max Using Shunt | | 1,000A | |
| Input range (AC) | 0 - 600V | 0 - 5A | 2 - 400Hz |
| Max Using CT | | 10,000A | |
| Accuracy | 1% | 1% | 0.5% |
| Display modes | | Peak or RMS | |
| **ENVIRONMENTAL** | | | |
| Temperature - operating | | -10 to +60°C | |
| Temperature - storage | | -40 to +70°C | |
| IP rating (from the front) | | NEMA 4 & 12 with IP65 | |
| **POWER SUPPLY** | | | |
| Nominal Input (AC or DC) | | 12-24 VAC/VDC | |
| **DISPLAY** | | | |
| Number of digits | | 4 | |
| Digit height | | 12mm [0.47"] | |
| Digit height of annunciator | | 6mm [0.23"] | |
| Number of message characters | | 4 | |
| Backlight colours | | Red, Green, White | |
| LCD display | | Positive or Negative | |
| **OUTPUT MODELS** | | | |
| Max voltage | | 34V | |
| Max current | | 500mA | |
| Analogue output | | 4-20mA | |
| **CERTIFICATION** | | UL and cUL, CE, UKCA | |

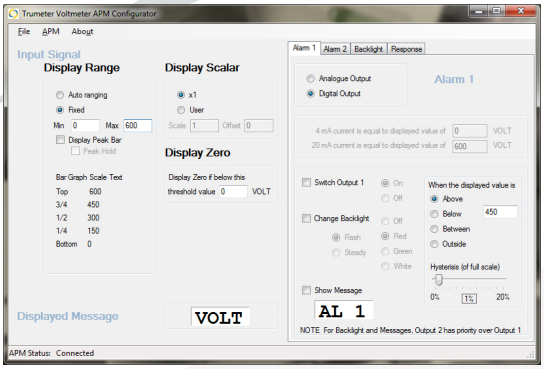
## Dimensions:




Panel cutout: 68mm x 68mm [2.68" x 2.68"] as per DIN43700/IEC61554

## Easy To Use Software

Just plug into any USB port on your PC, run the freely available APM Configurator application and you're off. No drivers required.




## Part Numbers: (POS LCD = Positive LCD; NEG LCD = Negative LCD)

| Volt | Description | Amp | Description | Frequency | Description |
|---|---|---|---|---|---|
| APM-VOLT-APO | APM VOLT METER, POS LCD W/OUTPUTS | APM-AMP-APO | APM AMMETER, POS LCD W/OUTPUTS | APM-FREQ-APO | APM FREQ METER, POS LCD W/OUTPUTS |
| APM-VOLT-ANO | APM VOLT METER, NEG LCD W/OUTPUTS | APM-AMP-ANO | APM AMMETER, NEG LCD W/OUTPUTS | APM-FREQ-ANO | APM FREQ METER, NEG LCD W/OUTPUTS |
| 022128-01 | USB Cable | | | | |
| 022150-01 | APM Evaluation Kit | | | | |
| **By Request: Modbus Connectivity** | | | | | |
| APM-VOLT-APS | APM VOLT METER, POS LCD W/MODBUS | APM-AMP-APS | APM AMMETER, POS LCD W/MODBUS | APM-FREQ-APS | APM FREQ METER, POS LCD W/MODBUS |
| APM-VOLT-ANS | APM VOLT METER, NEG LCD W/MODBUS | APM-AMP-ANS | APM AMMETER, NEG LCD W/MODBUS | APM-FREQ-ANS | APM FREQ METER, NEG LCD W/MODBUS |

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