trumeter
innovation by design



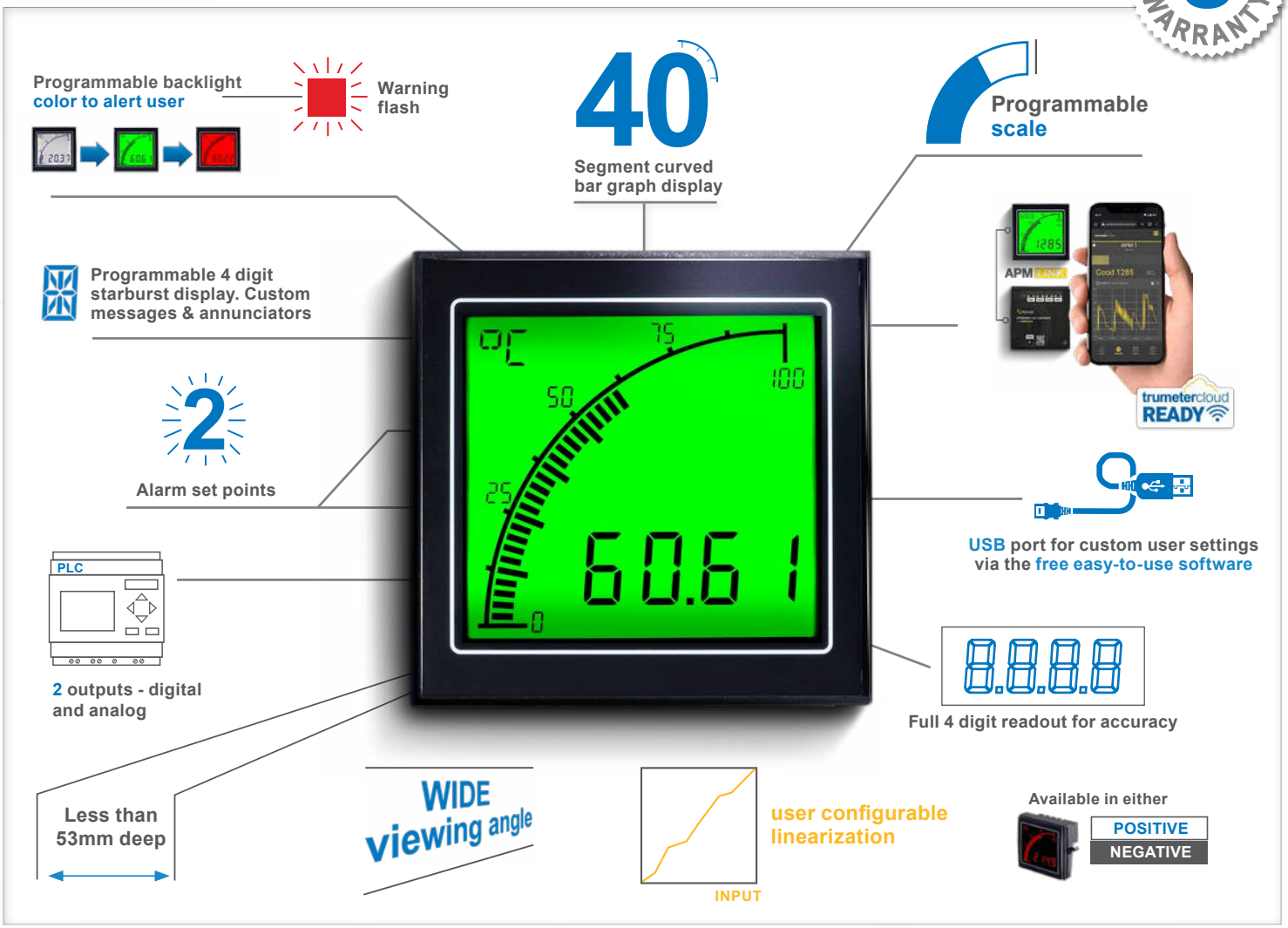
# Temperature Meter

## For use with Theromocouples

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

THREE YEAR 3 WARRANTY

## Easy to Use. Easy to Read.




**Featuring an acclaimed easy-to-read display and a versatile set of inputs, the Temperature Meter takes the APM into a wide range of new industrial applications.**

The programmable scale and custom annunciators mean users can tailor the meter to display their critical parameters exactly how they want, while the dynamic backlighting, in conjunction with setpoints, means operators are visually alerted when a parameter is out of range. The two outputs can be used to control other systems in the process, meaning the APM Temperature Meter is much more than just a display.

Trumeter's innovative input signal optimization provides precise measurement, display and control. Designed for use with thermocouples, the Temperature meter allows the user to configure up to 20 points in a non-linear conversion table via the APM Configurator application in addition to the inbuilt thermocouple linearisation.

**See the Quick Start Guide for full specifications ▶**

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# Key Features

## Large multi-format display that incorporates:

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

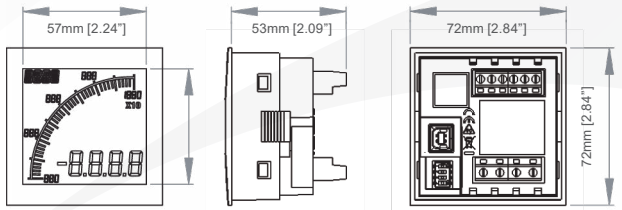
## Visibility:

- User-adjustable backlight brightness and color
- Large display
- Wide viewing angle (horizontal and vertical)
- Custom annunciators

## Programmable:

- Display Range (Both Min & Max Values)
- Custom annunciators
- User-selectable backlight color and intensity
- Two independent alarm set-points
- Two independent outputs
- 4-20mA analog retransmission output

## Dimensions:

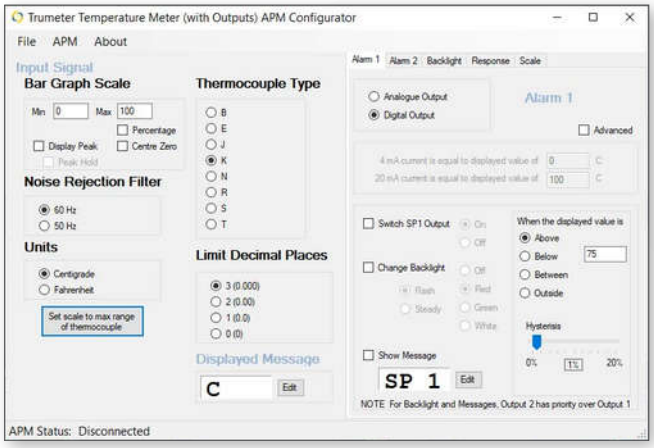



Panel cutout: 68mm x 68mm [2.68" x 2.68"] as per DIN43700/IEC61554

| | |
|---|---|
| Thermocouple | Type B, E, J, K, N, R, S and T |
| Accuracy | 0.5°C after 30 min \| 0.2°C after 40 min |
| **ENVIRONMENTAL** | |
| Temperature - operating | -10 to +60°C |
| Temperature - storage | -40 to +70°C |
| IP rating (from the front) | NEMA 4 & 12 (UL 50) with IP65 |
| **POWER SUPPLY** | |
| Nominal Input (AC or DC) | 12-24V AC/DC |
| Max Power | 1.6W |
| Frequency | DC & 50-400 Hz |
| **DISPLAY** | |
| Number of digits | 4 |
| Digit height | 12mm [0.47"] |
| Number of message characters | 4 |
| Message character height | 6mm [0.236"] |
| Backlight colors | Red, Green, White |
| LCD display | Positive or Negative |
| **OUTPUTS** | |
| Max voltage | 34V |
| Max current | 500mA |
| Analog output | 4-20mA |
| **CERTIFICATION** | UL and cUL, CE |

## 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.

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CE

RoHS

## Part Numbers:

| | |
|---|---|
| APM-TEMP-APO | APM TEMPERATURE Meter, Positive LCD with outputs |
| APM-TEMP-ANO | APM TEMPERATURE Meter, Negative LCD with outputs |
| 022128-01 | USB Cable |
| 022150-01 | APM Evaluation Kit |

We can **customize our APMs** to match your requirements, adding extra **functionality** or **communication protocols** to suit your needs. If you can't find what you're looking for, **ask about our custom solutions!**

custom is our passion



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