Temperature Meter

For use with Theromocouples

THREE YEAR 3 WARRANTY

Easy to Use. Easy to Read.

Programmable backlight **color to alert user**

Warning flash

40 Segment curved bar graph display

Combined **digital and bar graph** display

Programmable 4 digit starburst display. Custom messages & annunciators

Programmable **scale**

2 Alarm set points

0.25%**Accuracy**

PLC

USB port for custom user settings via the **free easy-to-use software**

2 outputs - digital and analog

Less than **53mm deep**

WIDE viewing angle

user configurable linearization

INPUT

Full 4 digit readout for accuracy

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 achieves accuracy of 0.25% for 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.

custom is our passion

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)
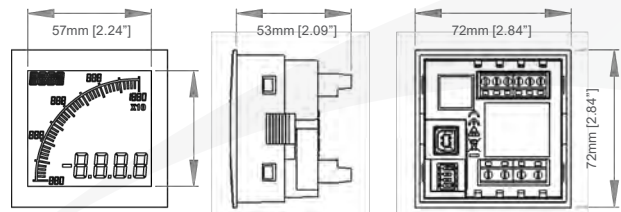- Custom annunciators

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:

57mm [2.24"] 53mm [2.09"] 72mm [2.84"] 72mm [2.84"]

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

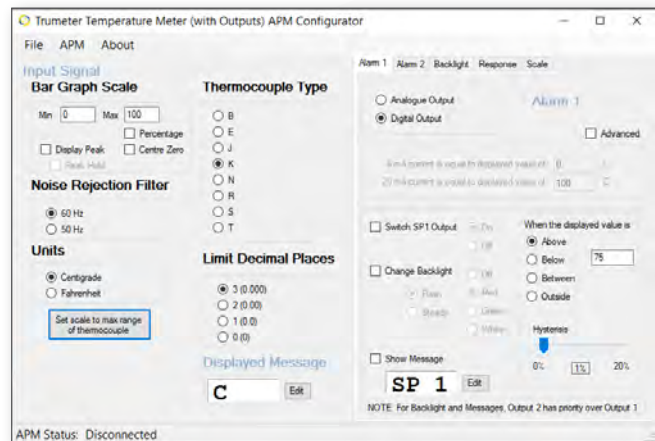|	
Thermocouple	Type B, E, J, K, N, R, S and T
Accuracy	0.25% of full scale
ENVIRONMENTAL	
Temperature - operating	-10 to +60°C
Temperature - storage	-40 to +70°C
IP rating (from the front)	NEMA 4 & 12 with IP65
POWER SUPPLY	
Nominal Input (AC or DC)	12-24V AC/DC
Max Power	1.6W
Frequency	DC & 50-400 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.

UL LISTED
Open-type Measuring and Testing Equipment
E469787

CE   RoHS

Part Numbers:

Part	Description	By Request: Modbus connectivity	
APM-TEMP-APO	APM TEMPERATURE METER, POSITIVE LCD WITH OUTPUTS	APM-TEMP-APS	APM TEMPERATURE METER, POSITIVE LCD WITH MODBUS
APM-TEMP-ANO	APM TEMPERATURE METER, NEGATIVE LCD WITH OUTPUTS	APM-TEMP-ANS	APM TEMPERATURE METER, NEGATIVE LCD WITH MODBUS
022128-01	USB Cable		