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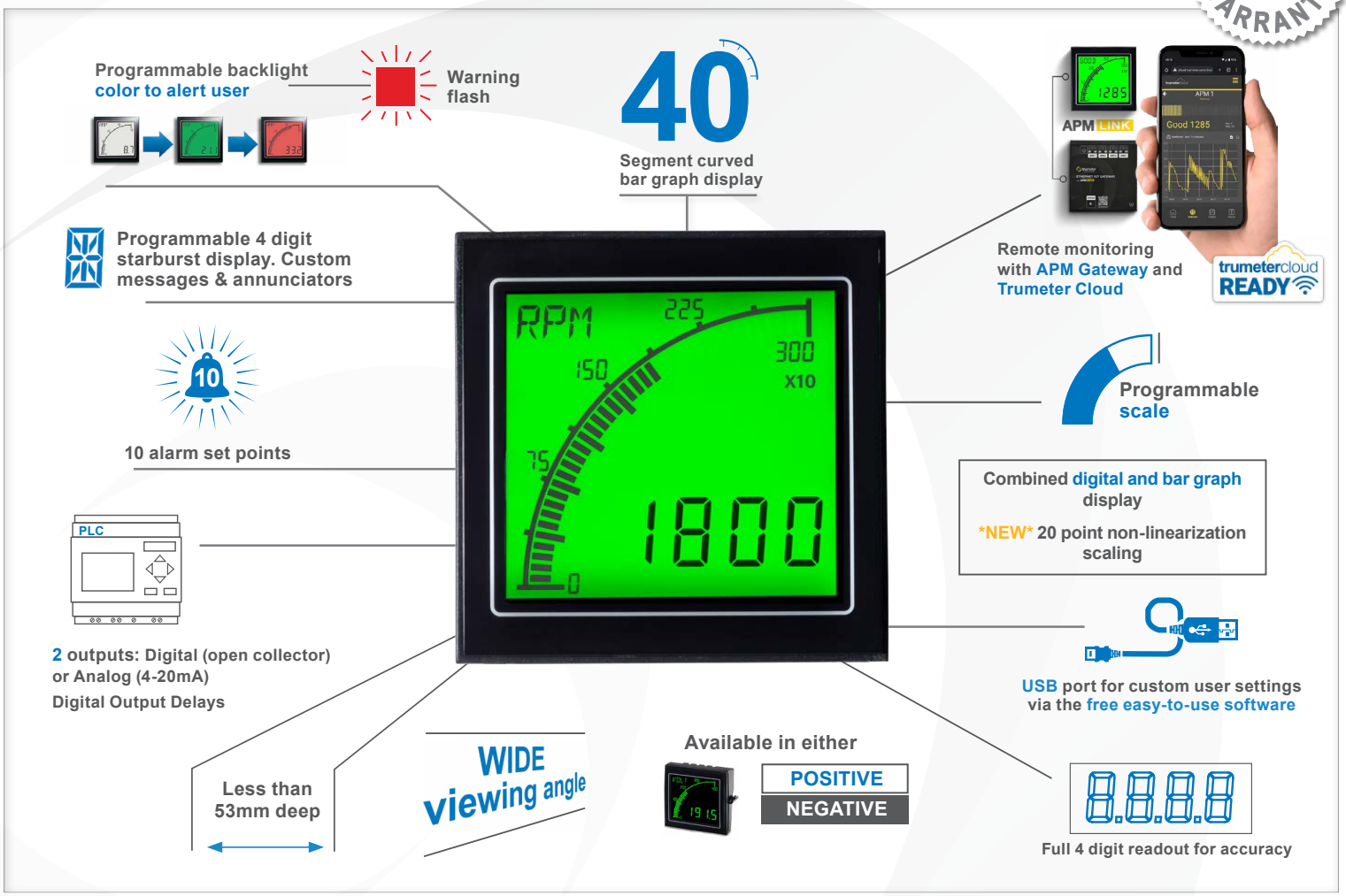
Rate Meter

APM

EVALUATION KIT AVAILABLE
Contact us to request yours

THREE YEAR 3 WARRANTY

Easy to Use. Easy to Read.



The Advanced Panel Meter (APM) Rate Meter was developed for use in flow applications, production lines and motorspeed monitoring. It combines the instant visual representation of an analog meter with the speed and accuracy of a digital meter. The unique display is viewable in most environmental conditions and features a programmable scale and color changing backlight for instant recognition and precision measurement.

The APM improves safety and efficiency through user programmable alarm set-points, dynamic backlighting and starburst messaging that alerts operators of changing conditions instantly. It features digital and analog outputs to communicate with other components in a system, IP65 and NEMA type 4 and 12 ratings and an industry leading three-year warranty.

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

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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 colour

Visibility:

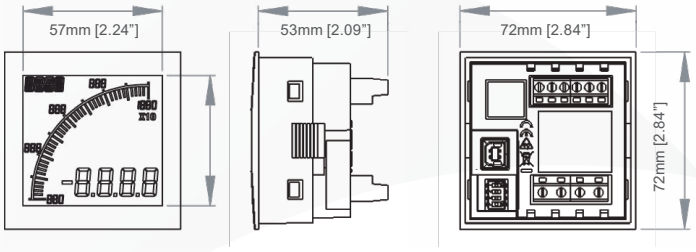
- User adjustable backlight brightness and colour
- Large display
- Wide viewing angle (both horizontal and vertical)
- Custom annunciators

Programmable:

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

MEASUREMENT	
Max Frequency	0 - 60 KHz (NPN, PNP or Push-Pull)
Min Frequency	0.001 Hz
Logic 0	< 1.2V
Logic 1	> 2.0V
Accuracy	±0.01%
MAX WORKING	
Voltage (input-COM)	36 VDC
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 (DC)	12-24VDC
Max Power	1.6W
DISPLAY	
Display Update Time	0.1 to 999.9 seconds
Scaling Factor	-100 to 1990x10
Number of digits	4
Digit height	12mm [0.47"]
Digit height of annunciator	6mm [0.23"]
Number of message characters	4
Backlight colors	Red, Green, White
LCD display	Positive or Negative
OUTPUT	
Max voltage	34V
Max current	500mA
Analog output	4-20mA
CERTIFICATION	UL and cUL, CE

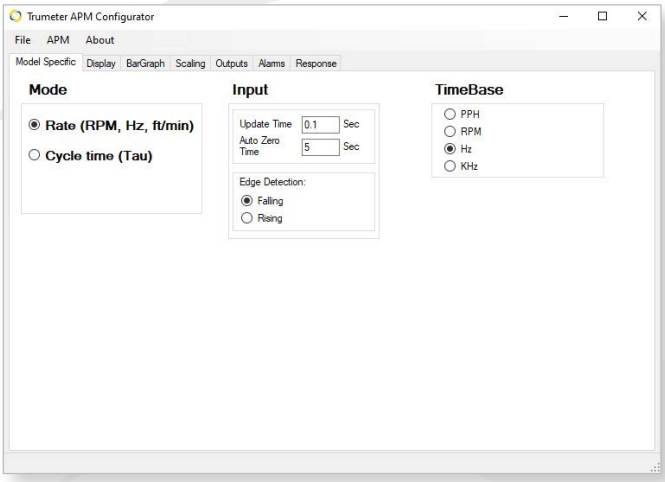
Dimensions:



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

APM-RATE-APO	APM RATE METER, POSITIVE LCD WITH OUTPUTS
APM-RATE-ANO	APM RATE 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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