trumeter
innovation by design

Rate Meter
APM

Easy to Use. Easy to Read.

THREE YEAR WARRANTY 3

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

RPM 225 150 300 X10 75 0 **1800**

Programmable scale

2
Alarm set points

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

PLC

2 outputs - digital and analog

Less than 53mm deep

WIDE viewing angle

Available in either

POSITIVE
NEGATIVE

8.8.8.8
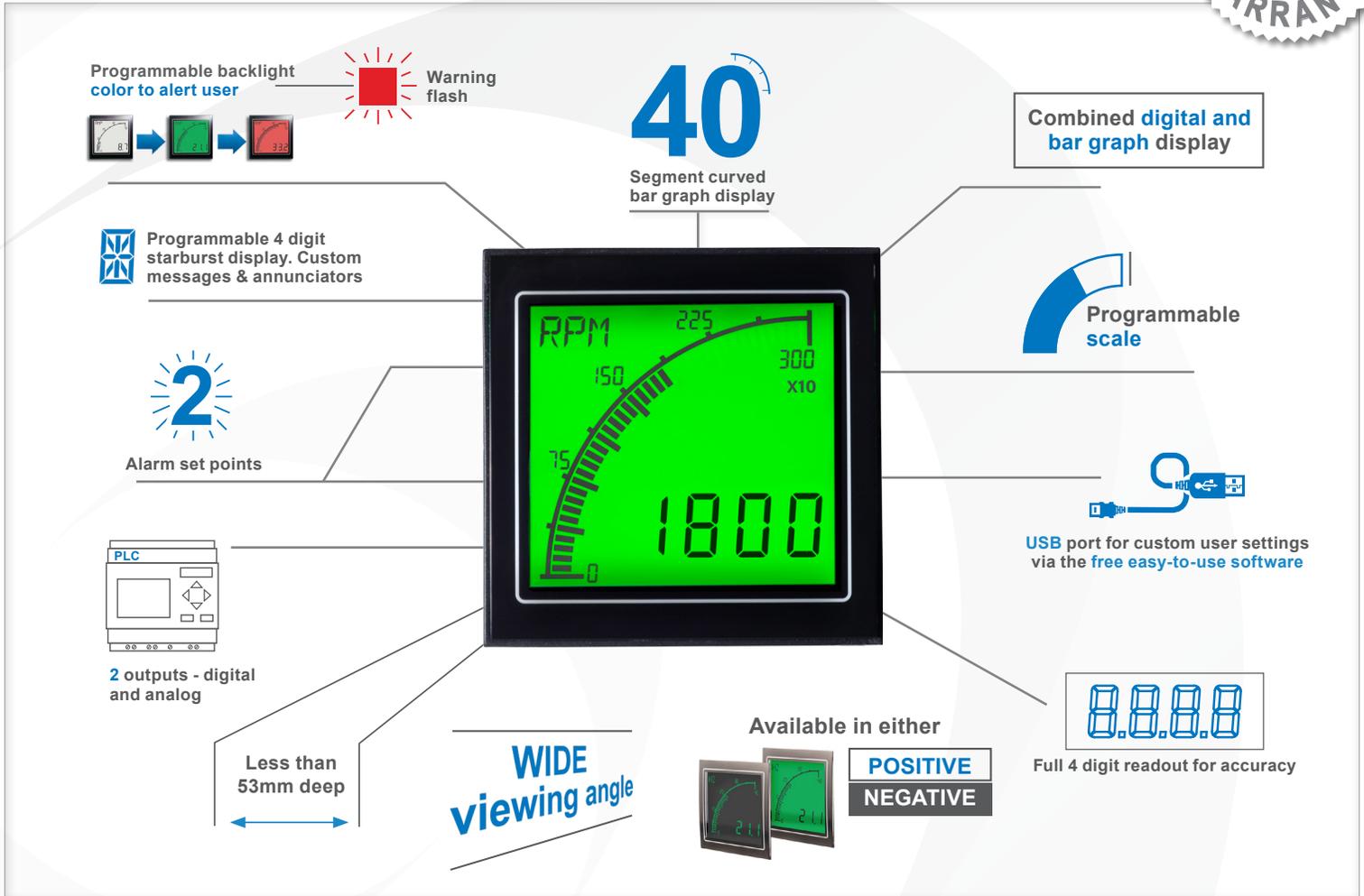Full 4 digit readout for accuracy

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

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
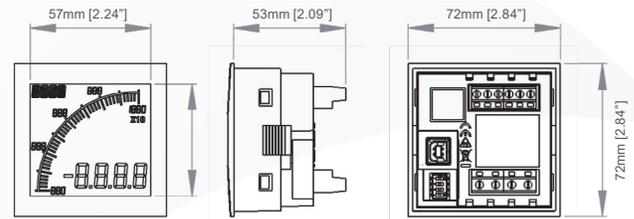- Dynamic backlight color

Visibility:

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

Programmable:

- Scale and gain
- Custom annunciators
- User selectable backlight color and intensity
- Two independent alarm set-points
- Two independent outputs
- 4-20mA analog monitor 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

MEASUREMENT

Max Frequency	0 - 60 KHz
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 4X & 12 with IP65

POWER SUPPLY

Nominal Input (DC)	12-24VDC

DISPLAY

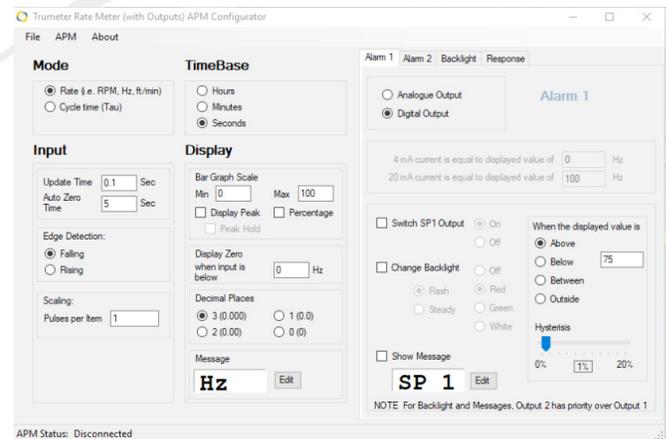|	
Display Update Time	0.1 to 999.9 seconds
Scaling Factor	-100 to 1990x10
Number of digits	4
Digit height	12mm [0.47"]
Digit height of annunciator	6mm [0.23"]
Number of message characters	4
Backlight colors	Red, Green, White
LCD display	Positive or Negative

OUTPUT

Max voltage	34V
Max current	500mA
Analog output	4-20mA

CERTIFICATION

	UL and cUL, CE

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

Part	Description
APM-RATE-APO	APM RATE METER, POSITIVE LCD WITH OUTPUTS
APM-RATE-ANO	APM RATE METER, NEGATIVE LCD WITH OUTPUTS
022128-01	USB Cable

Full specifications available online **www.trumeter.com/apm**