

Rate Meter

APM

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

2

Alarm set points



2 outputs - digital
and analog



Programmable
scale



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

Less than
53mm deep



**WIDE
viewing angle**

Available in either



**POSITIVE
NEGATIVE**



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

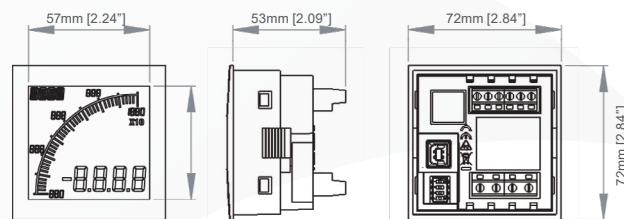
Programmable:

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

Visibility:

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

Dimensions:



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
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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
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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

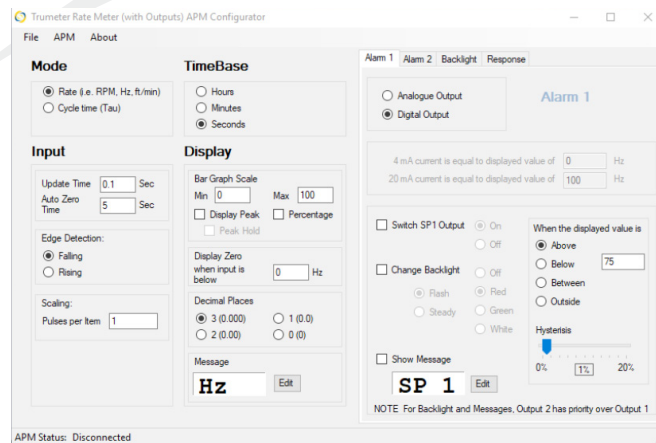
Max voltage	34V
Max current	500mA
Analog output	4-20mA

CERTIFICATION

	UL and cUL, CE
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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