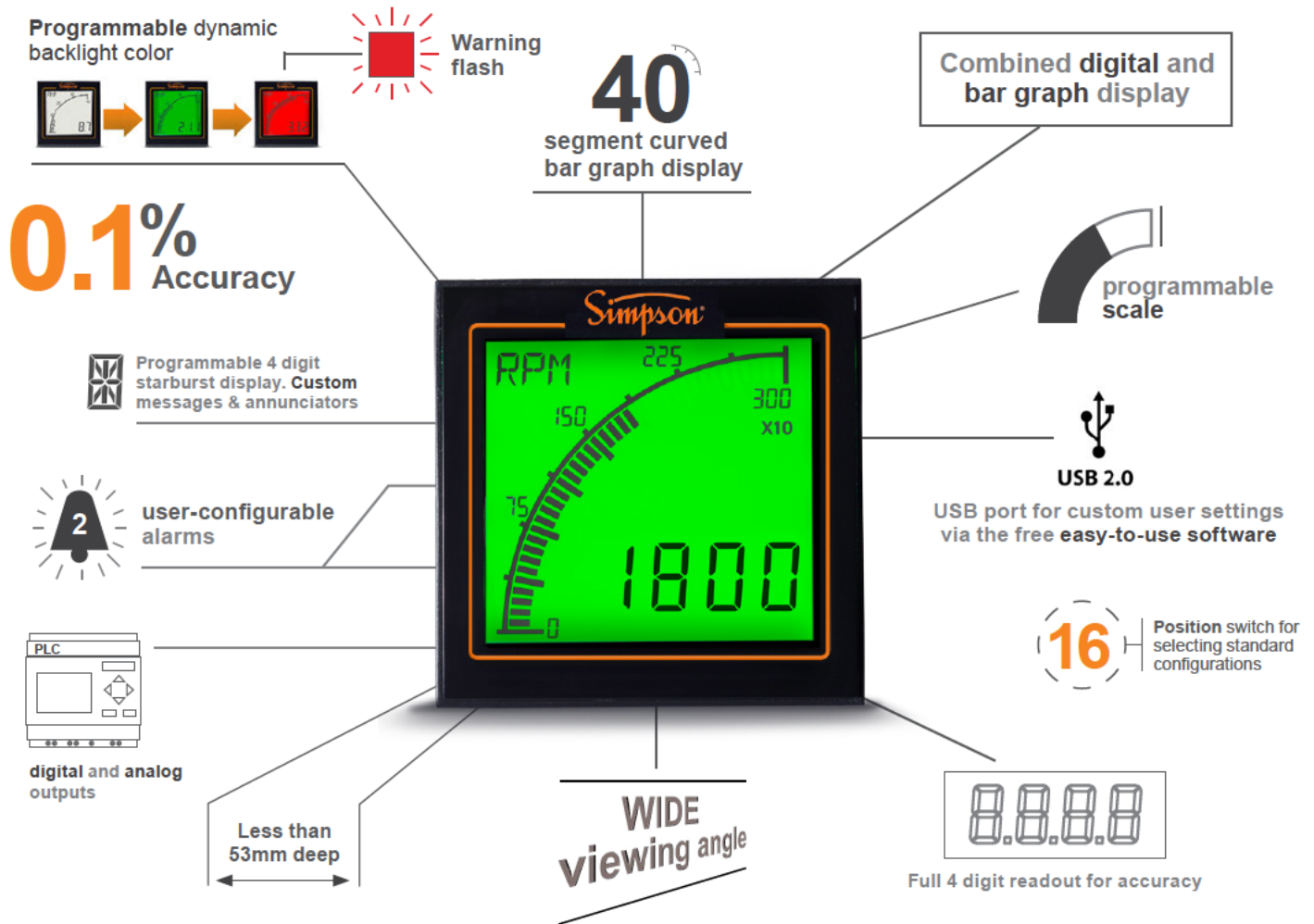


Rate Meter

For measuring rate, flow or velocity

Bear



The MAK 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 MAK 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.

Specifications

INPUT

Max Frequency	0 - 60 KHz
Min Frequency	0.001 Hz
Logic 0	< 1.2V
Logic 1	> 2.0V
Accuracy	±0.01%

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 (AC or DC)	12-24 VAC/VDC
Max Power	1.6W

DISPLAY

Display Update Time	0.1 to 999.9 seconds
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

OUTPUTS

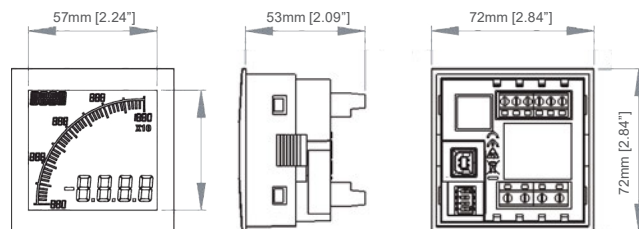
Max voltage	34V
Max current	500mA
Analog output	4-20mA

CERTIFICATION

UL and cUL, CE

MECHANICAL

Dimensions	72mm x 72mm x 53mm [2.83" x 2.83" x 2.09"]
Cutout	68mm x 68mm [2.68" x 2.63"]
Connection Type	Screw Terminals
Wire Gauge	0.8mm ² - 3.3mm ² (18AWG to 12AWG)
Weight	180 grams



Part Number

APM-RATE-MAK	Rate Meter, positive LCD with outputs
--------------	---------------------------------------