

# Shunt Meter

## For DC Current Measurement

**Bear**

**0 - 1VDC Input**

High resolution for DC Current Shunts  
Low Side Applications

Programmable dynamic  
backlight color



Warning  
flash

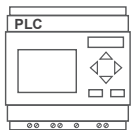
**0.1%**  
Accuracy



Programmable 4 digit  
starburst display. Custom  
messages & annunciators



user-configurable  
alarms



digital and analog  
outputs

Less than  
53mm deep

**WIDE**  
viewing angle

**40**

segment curved  
bar graph display

Combined digital and  
bar graph display



programmable  
scale

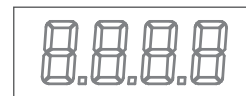


USB 2.0

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

**16**

Position switch for  
selecting standard  
configurations



Full 4 digit readout for accuracy

Featuring an acclaimed easy-to-read display and a high resolution input, the Shunt Meter takes the MAK into a wide range of new applications, where accurate DC current measurement is required.

The MAK Shunt Meter is ideal for DC current measurement applications in marine, leisure, material handling, and industrial applications such as power supplies, load banks and charging systems.

The programmable scale and custom annunciators mean users can tailor the meter to display their critical parameters exactly how they want. 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 connect the MAK to other systems in the process, meaning the MAK Shunt Meter is much more than just a display.

## Specifications

### INPUT

Range	0 - 1 VDC
Impedance	1 Meg
Accuracy (0-200mV)	0.1% of signal or 0.5mV, whichever is greater
Accuracy (201-1000mV)	0.2% of full scale

### 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

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

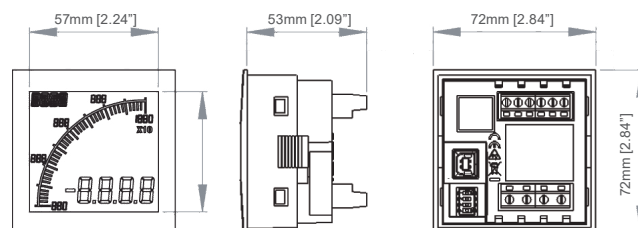
Max voltage	34V
Max current	500mA
Analog output	4-20mA

### CERTIFICATION

UL and cUL, CE
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### 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 <sup>2</sup> - 3.3mm <sup>2</sup> (18AWG to 12AWG)
Weight	180 grams



## Part Numbers

APM-SHUNT-MAK	Shunt Meter, positive LCD with outputs
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APM-SHUNT-MAK