



# Shunt Meter

## For DC Current Measurement

**EVALUATION KIT AVAILABLE**  
Contact us to request yours

**Easy to Use. Easy to Read.**



**0.1%**  
Accuracy

**0 - 1VDC Input**

High resolution for DC Current Shunts  
**Low Side Applications**

**40**

Segment curved  
bar graph display



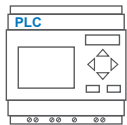
Programmable backlight  
color to alert user



Programmable 4 digit  
star-burst display. Custom  
messages & annunciators



10 alarm set points



**2 outputs:** Digital  
(open collector) or  
Analog (4-20mA)  
Digital Output Delays

Less than  
53mm  
deep

**WIDE**  
viewing angle

Available in either



**POSITIVE**

**NEGATIVE**



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



Remote monitoring  
with **APM Gateway** and  
**Trumeter Cloud**



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

The APM 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 APM to other systems in the process, meaning the APM Shunt Meter is much more than just a display.

**Go to [www.trumeter.com/apm](http://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

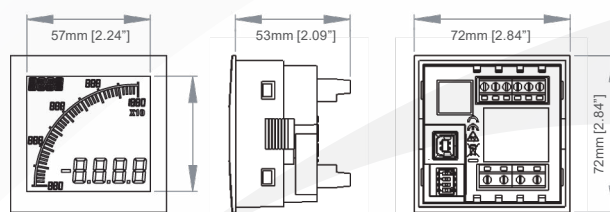
### Programmable:

- Display Range (Both Min & Max Values)
- 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 (horizontal and vertical)
- Custom annunciators

### Dimensions:



Panel cutout: 68mm x 68mm [2.68" x 2.68"] as per DIN43700/IEC61554

#### 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)	IP65
NEMA rating (from the front)	Type 4 & Type 12 (UL 50)

#### POWER SUPPLY

Nominal Input	12-24 VDC
---------------	-----------

#### DISPLAY

Number of digits	4
Digit height	12mm [0.47"]
Number of message characters	4
Backlight colors	Red, Green, White
LCD display	Positive or Negative

#### OUTPUTS

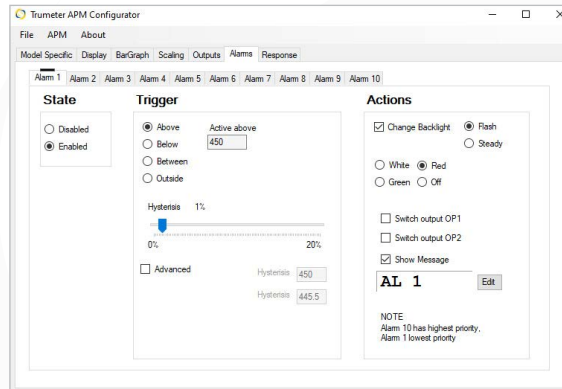
Max voltage	34V
Max current	500mA
Analog output	4-20mA

#### CERTIFICATION

UL, 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:

APM-SHUNT-APO	APM SHUNT Meter, Positive LCD, With Outputs
APM-SHUNT-ANO	APM SHUNT 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!**



**Trumeter (The Americas)**  
6601 Lyons Rd, Suite H-7  
Coconut Creek, Florida  
FL 33073,  
USA  
Tel: +1 954 725 6699  
Email: sales.usa@trumeter.com

**Trumeter (Europe)**  
Pilot Mill  
Alfred Street  
Bury,  
BL9 9JR  
Tel: +44 161 674 0960  
Email: sales.uk@trumeter.com

**Innovative Design Technologies Sdn. Bhd**  
Lot 5881, Lorong Iks Bukit Minyak 1  
Taman Perindustrian Iks, 14000 Bukit Tengah  
Penang, Malaysia  
Web: www.idtworld.com  
Tel: + 604 5015700  
Email: sales.my@idtworld.com

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Trumeter:](#)

[APM-SHUNT-ANO](#) [APM-SHUNT-APO](#)