

# Amp Signal Conditioner

For Direct AC and DC Current Measurement



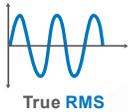
**0-5A Direct**

AC/DC Auto-Detect

**1%**  
Accuracy



User-configurable settings via the free, easy-to-use software



True RMS



Less than 62mm deep



Remote monitoring with APM Gateway and Trumeter Cloud



**2 Outputs**  
Digital (open collector) or Analog (4-20mA)



**DIN Rail Mount**  
Compact design for simple installation



10 alarm set points

The Amp Signal Conditioner is designed to accurately measure AC and DC currents up to 5 A with 1% precision, automatically detecting the input type for seamless operation. It ensures reliable current monitoring, making it ideal for industrial equipment, power supplies, energy management, automation systems, and laboratory testing. By handling multiple current types in a single device, it simplifies system design and enhances measurement efficiency across diverse applications.

Designed for DIN rail mounting, the unit combines precision with versatility, with user-configurable scaling and settings, making it suitable for a wide range of industrial environments. It integrates seamlessly with other control and monitoring systems through configurable digital and analog outputs.

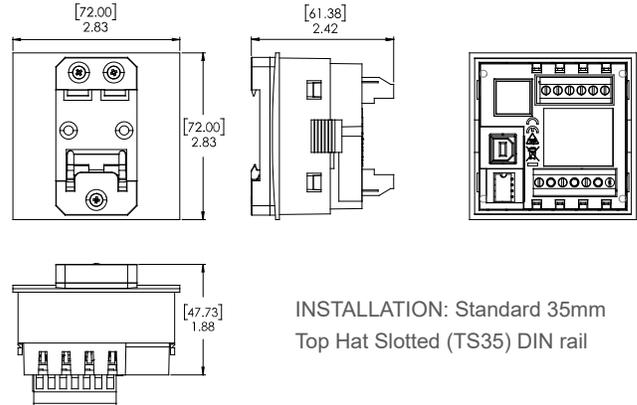
For extended functionality, the Amp Signal Conditioner can be paired with the APM Gateway to connect directly to Trumeter Cloud. This secure connection enables remote monitoring, data logging, and alerts via email or online dashboard, with SMS alerts available as an option. Unlocking full visibility and actionable insights into system performance anytime, anywhere.

## Programmable

Simply connect to any USB port on your PC, launch the free configurator software, and start configuring.

- Scale (offset, gain and linear) and Range (min and max).
- 20 point non-linearization scaling for non-linear sensors.
- Ten independent alarm set-points.
- Configurable digital output delays (control the time output stays open/closed - .5 seconds – 120 seconds).

## Dimensions



## Specification

### INPUT

Range	0-5A AC/DC
Max with CT	10,000A
Accuracy	1%

### ENVIRONMENTAL

Temperature - operating	-10 to +60°C
Temperature - storage	-40 to +70°C
IP rating	IP20

### POWER SUPPLY

Nominal Input	12-24VAC or DC
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### OUTPUTS

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

### CERTIFICATION

UL, cUL, CE



## Part Numbers

<b>SC-AMP-DIN</b>	Amp Signal Conditioner, DIN Rail Mount
<b>022128-01</b>	USB Cable

We can **customize** our Signal Conditioners 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!**

