

M1 Signal Conditioner

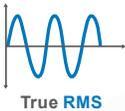
Selectable Volt, Current or Frequency Measurement



VOLT programmable to measure **voltage**,
 AMPS **current** or **frequency**
 FREQ



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



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 M1 Signal Conditioner is a fully user-configurable signal conditioner that can be set to measure voltage, current, or frequency. Designed for DIN rail mounting, the M1 has been engineered for precision and versatility, and is suitable for a wide range of industrial applications.

The unit is designed for seamless integration with other control and monitoring equipment. It provides configurable digital and analog outputs, enabling flexible connectivity across multiple platforms. Each output is equipped with its own programmable delay, allowing precise control of output duration.

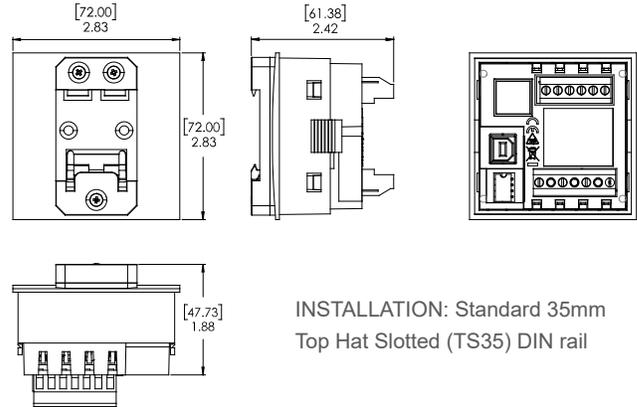
For extended functionality, the M1 Signal Conditioner can be paired with the APM Gateway to connect directly to Trumeter Cloud. This secure connection enables remote monitoring, automated data logging, and advanced online dashboards, giving engineers full visibility and analysis of system performance at any time, from any location.

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 | VOLT | AMP | FREQUENCY |
|-------------------------|----------|----------------|-----------|
| Input Range (DC) | 0 - 600V | 0 - 5A | - |
| Input Range (AC) | 0 - 600V | 0 - 5A | 2 - 400Hz |
| Accuracy | 1% | 1% | 0.5% |
| ENVIRONMENTAL | | | |
| Temperature - operating | | -10 to +60°C | |
| Temperature - storage | | -40 to +70°C | |
| IP rating | | IP20 | |
| POWER SUPPLY | | | |
| Nominal Input | | 12-24VAC or DC | |
| OUTPUTS | | | |
| Max voltage | | 34V | |
| Max current | | 500mA | |
| Analogue output | | 4-20mA | |
| CERTIFICATION | | UL, cUL, CE | |



Part Numbers

| | |
|------------------|---------------------------------------|
| SC-M1-DIN | M1 Signal Conditioner, DIN Rail Mount |
| 022128-01 | 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!**

