

Process Signal Conditioner

For a range of industrial applications



0.1%
Accuracy

0 to +/- 10V / 4-20mA / 10-50mA

User selectable voltage and current



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



User configurable linearization



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 Process Signal Conditioner is engineered for process control applications, including variable speed drives, flow and pressure transducers, and both linear and non-linear sensors. Its advanced 20-point non-linear conversion ensures accurate measurement of complex sensor signals. With user-selectable inputs, it can measure 0–10 V DC, 10–50 mA, or 4–20 mA with 0.1% accuracy across the full input range.

Designed for DIN rail mounting, the unit combines precision with versatility, 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.

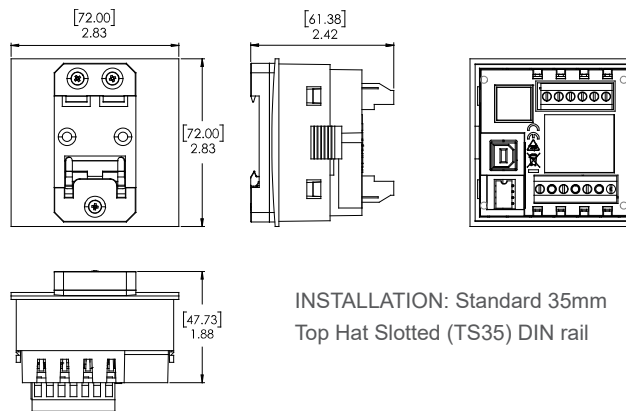
For extended functionality, the Process Signal Conditioner can be paired with the APM Gateway to connect directly to Trumeter Cloud. This secure connection enables remote monitoring, data logging, and alerts via email or online dashboard, with SMS alerts available as an option. Unlocking full visibility 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 (DC)
 Impedance
 Accuracy

VOLTAGE

0 to +/-10VDC
 100KΩ
 0.1% of input or 0.5mV / 0.5uA (whichever is greater)

CURRENT

0-50mA
 15Ω

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-PROC-DIN

022128-01

Process Signal Conditioner, DIN Rail Mount
 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!**

