

General Description

The A2C-mA-M12 is a 0-20mA analyzer that can measure 3 x mA signals simultaneously. The analyzer can calculate True RMS values, minimum, maximum values, average values and combine multiple inputs with mathematical calculations. For instance, the difference between two inputs can be calculated (can be used for differential measurements). The results calculated can be used to trigger up to 6 different alarms with programmable thresholds.

The analyzer can communicate the measurements to a host via CAN Bus or it can be used in a standalone mode without any CAN bus connected after initial programming with the U2C accessory. In the event of an alarm triggering, the logic output is activated, which can be used to drive a relay / buzzer / lamp or plc input.

The optional USB programmer (U2C) with free software, simplifies programming, and no knowledge of CAN bus communication is required.



Features

- 3 channels 0-20mA inputs with over current protection
- Selectable Bandwidth
- Programmable number of sample averages
- Programmable alarms for mA on all inputs
- Heartbeat CAN messages with programmable periods
- Periodic CAN messages with programmable data and time periods
- Logic alarm output for standalone mode without the use of CAN bus
- Low power consumption
- Durable aluminum / stainless steel housing
- Software upgradable via CAN bus

Specifications

- 10-30V supply voltage
- 30mA supply current
- CAN interface (2.0A & B)
- CAN driver ISO 11898 compatible
- Open collector output with over current protection
- Industry standard M12 connectors
- CNC machined aluminum / stainless steel housing
- Small size

1 Ordering information

Part Number	Package	Interface	CAN Bus	Logic Output
A2C-mA-M12-A	35x35x29.7mm Anodized aluminum	M12, 5pin Male connector.	Yes	Yes (pin 1)
A2C-mA-M12-S	35x35x29.7mm Stainless steel 316	M12, 5pin Male connector.	Yes	Yes (pin 1)

For a customer specific package please contact us. We have other materials / coatings available not listed here.