

mAM001

ANALOG INPUT MODULE



- 2m (6') of durable UL 2517 TPE cable with UV protection
- Measures 0 – 10 VDC or 0 – 20mA
- Intrinsically safe if used with the mBC083 Bus Converter
- Isolated intrinsically safe sensor power required for IS operation
- Sensor power supply can supply multiple sensors
- Switch selectable signal smoothing
- LED indicators for sensor power and module status
- No calibration required

Product Description

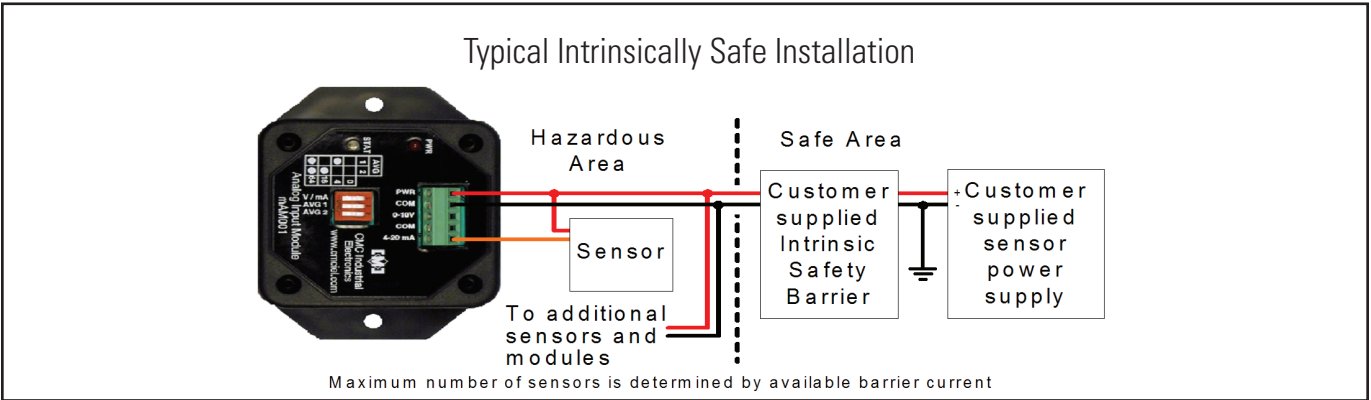
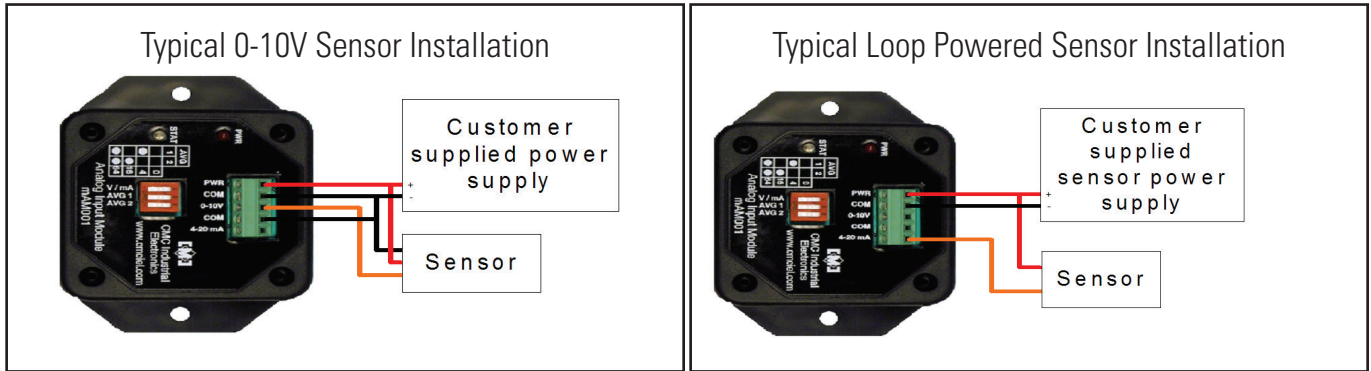
The mAM001 is an application specific analog input module. The module is packaged in a plastic case and is fully calibrated. The unit monitors analog inputs of 0 – 10 VDC or 0 – 20 mA. The analog input is fully isolated from the Single-Wire bus. When used with an approved barrier protected sensor power supply the module is intrinsically safe.

The device connects to the Single-Wire communications bus using the attached 2m (6') cable and RJ-11 connector. Power is derived from the bus, external power is required for the isolated analog system.

Typical Applications

Connection of pressure, vibration, weighing or other analog sensors to CMC's network.

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| Specifications | Description | Characteristic |
|----------------|-----------------------------|----------------------------------|
| IS Sensor Bus | Voltage | 5 VDC |
| | Current | 3.0 mA maximum |
| | Communications | Single-Wire Bus |
| Output | Full Scale | 10,000 divisions |
| | Resolution | 12 bits (1 in 4096) |
| | Accuracy | ± 0.5% |
| | Analog Supply Voltage | 8 – 28VDC |
| Environment | Recommended Operating Range | -40°F to +158°F (-40°C to +70°C) |
| | Relative Humidity | 0 to 100% non condensing |
| Dimensions | Length | 2.5" (65mm) |
| | Body Diameter | 3.5" (90mm) |
| | Base Diameter | 1.4" (35mm) |