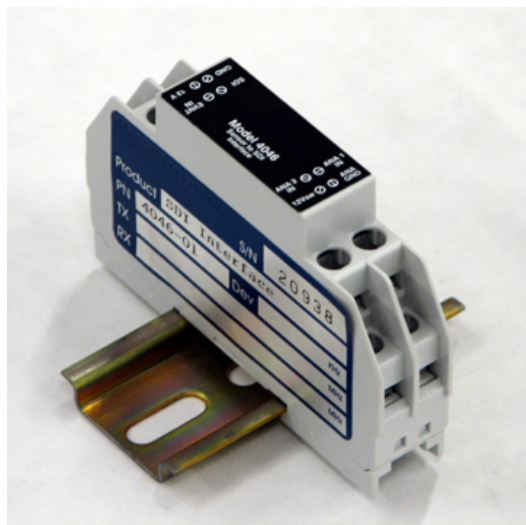




4046 Analog to SDI-12 Converter

Convert multiple analog sensors into SDI-12 output.



- Convert 2 analog sensors and one pulse counter
- Programmable slopes and offsets
- Monitor battery voltage and temperature
- DIN rail mountable

Description

The 4046 Analog to SDI-12 Converter provides an interface to convert inputs from two analog sensors and one pulse counter to an SDI (serial data interface). The Analog to SDI-12 Converter also provides internal measurements of battery voltage and ambient temperature. The Analog to SDI-12 Converter responds to all basic SDI commands and enters a low power sleep state when it is not being polled.

The 4046 Analog to SDI-12 Converter has user programmable slope and offset values for the analog and pulse counter inputs. The analog to SDI-12 converter has a user programmable sensor warm-up time. Additionally the analog to SDI-12 converter temperature scale can be changed from °F to °C or vice versa.

Specifications

Inputs: Gnd, +12VDC, (2) Analog 0-5VDC, Tipping Bucket (contact closure to ground)

Communication: SDI-12 (version 1.1 compliant)

Wire Size: #24 - #14 AWG

Connections: Screw Terminal

Mounting: DIN rail (35mm)

Sensor Power: 12VDC or 5.00VDC (jumper selectable)

Power Supply: 12 VDC, <200uA during sleep, <1A for sensor power.

Operating Temperature: -22 to 140°F (-30 to 60°C)

Size: 3.5"x0.75"x2.1" (89x19x53mm) (LxWxH)

Weight: 1.9 oz (54g)

Options and Accessories

4046 Analog to SDI-12 converter

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Water Samplers

Water Quality

Weather

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Control



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