

S-CIA-CM14

12-bit 4-20 mA Input Adapter Sensor

Interfaces with any sensor providing a 4-20 mA signal to connect to HOB0 stations compatible with Smart Sensors.



Supported Measurements

4-20mA

Features

- 12-bit resolution
- Digital filtering improves measurement accuracy with 32 readings/sample; 4-20 mA adapter has 60 Hz noise rejection
- Measurement averaging over logging interval further enhances accuracy
- Plug-in modular connector for easy interface with HOB0 stations
- Screw terminal for connecting to sensors
- HOB0 RX3000 and U30 stations have room for two adapters
- Use with HOB0 USB Micro Station and HOB0 MicroRX Station requires Smart Sensor Consolidator Box (S-ADAPT-6) and an extension cable.
- Represents one data input channel

Contact Us

Sales (8am to 5pm ET, Monday through Friday)

- Email sales@onsetcomp.com
- Call 1-508-759-9500
- In U.S. toll free 1-800-564-4377
- Fax 1-508-759-9100

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Technical Support (8am to 5pm ET, Monday through Friday)

- Contact Product Support www.onsetcomp.com/support/contact
- Call 1-508-759-9500
- In U.S. toll free 1-877-564-4377

12-bit 4-20 mA Input Adapter Sensor (S-CIA-CM14) Specifications

Measurement range: 4-20 mA (measures down to 0 mA to detect error condition)

Operating temperature range: -40° to 75°C (-40° to 167°F)

Accuracy: $\pm 40 \mu\text{A} \pm 0.3\%$ of reading (over operating temperature range)

Resolution: $\pm 4.93 \mu\text{A}$

Input impedance: 124 ohms (differential input)

Sensor trigger source: Voltage: 2.5 V $\pm 2.4\%$; maximum current: 1 mA

Warm-up time: 300 ms $\pm 3\%$ (fixed)

Measurement time: 16.6 ms $\pm 3\%$ to filter out 60 Hz noise

Cable length: 14 cm (5.5 inch)