ONSET

S-VIA-CM14

12-bit Voltage Input Adapter Sensor

Interfaces with sensors providing 0-5 VDC signals to act as a Smart Sensor with compatible data loggers. Features both a non-switched input and a battery-saving switched input that extends the life of external batteries. This adapter also provides a trigger signal for controlling power to attached external sensors, while offering digital filtering which improves measurement accuracy with 32 readings/sample.



Key Advantages:

- 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
- Screw terminal for connecting to sensors
- HOBO RX3000 and U30 stations have room for two adapters
- Use with HOBO USB Micro Station and HOBO MicroRX Station requires Smart Sensor Consolidator Box (S-ADAPT-6) and an extension cable
- Represents one data input channel

HOBO S-VIA-CM14 Sensor Specifications

Measurement range: 0-5 V DC

Accuracy: ±10mV ±0.3% of reading (over operating temperature range)

Resolution: ±1.221 millivolts **Input impedance:** 1 Megohms

Sensor trigger open collector: Maximum sink current: 115 mA; 30V maximum

Sensor trigger source: Voltage: 2.5 V ±2.4%; maximum current: 1 mA

Trigger Timing

Warm-up time: 10.3 ms ±3% (fixed)
Measurement time: 2.4 ms ±3%

Cable length: 14 cm (5.5 inch)

Ground connection: Same for adapters and PC interface

CE - The CE Marking identifies this product as complying with all relevant directives in the European Union (EU).

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

Technical Support (8am to 6pm 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

Onset Computer Corporation 470 MacArthur Boulevard Bourne, MA 02532