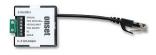


S-VIA-CM14 Sensor

12-bit Voltage Input Adapter Sensor

The 12-bit Voltage Input Adapter interfaces with sensors providing 0-5 VDC signals to act as a smart sensor with compatible data loggers. This adapter features both a non-switched input and a battery-saving switched input that extends the life of external batteries. It also provides a trigger signal for controlling power to attached external sensors, while offering digital filtering which improves measurement accuracy with 32 readings/sample.



Supported Measurements:

DC Voltage

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
- Plug-in modular connector for easy interface with HOBO® Weather Station or HOBO® Micro Station data loggers
- Screw terminal for connecting to sensors
- Micro Station has room for two adapters and Weather Station has room for ten (adapters mount inside station enclosure)
- Represents one data input channel

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 \pm 3% (fixed) Measurement time: 2.4 ms \pm 3%

Cable length: 14 cm (5.5 inch)
Ground connection: Same for adapters and PC interface
C E - 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 8pm ET, Monday through Friday)

- Contact Product Support www.onsetcomp.com/support/contact
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