

S-VIA-CM14



## 12-bit Voltage Input Adapter Sensor

**Outdoor use requires sensor to be within a weatherproof enclosure.**

Interfaces with sensors providing 0-5 VDC signals to act as a Smart Sensor with compatible data loggers.

### Supported Measurements

DC Voltage

### 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
- 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

### Contact Us

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

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## 12-bit Voltage Input Adapter Sensor (S-VIA-CM14) Specifications

**Measurement range:** 0-5 V DC

**Accuracy:**  $\pm 10\text{mV} \pm 0.3\%$  of reading (over operating temperature range)

**Resolution:**  $\pm 1.221$  millivolts

**Input impedance:** 1 Megohms

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

**Sensor trigger source:** Voltage: 2.5 V  $\pm 2.4\%$ ; 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



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