



## HOBO<sup>®</sup> 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.



#### 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:**  $\pm 10\text{mV} \pm 0.3\%$  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

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