



## S-UCC-M006 Sensor

### Electronic Switch Pulse Input Adapter - 6 meters Sensor

The Electronic Switch Pulse Input Adapter connects sensors with pulse outputs to data loggers with smart-sensor inputs. This Smart Sensor is compatible with electronic switch closures such as FET or open-collector outputs, or CMOS-level logic signals with a maximum input frequency of 120 Hz (120 pulses per second). See how the pulse recorder works.



#### Supported Measurements:

Pulse Input

#### Key Advantages:

- Plug-n-play adapter for pulse output sensors
- Automatically recognized by HOBO Energy Logger
- 6m cable length (extension cables available)

## S-UCC-M006 Sensor Specifications

**Maximum input frequency:** 120 Hz (120 pulses per second)

**Measurement range:** 0 – 65,533 pulses per logging interval

**Resolution:** 1 pulse

**Lockout time:** 45  $\mu$ s  $\pm$  10%

**Recommended input type:** Electronic solid state switch closure or CMOS-level digital output (example: FET, opto-FET or open collector)

**Preferred switch state:** Active low input Normally open

**Edge detection:** Falling edge, Schmitt Trigger buffer (logic levels: low  $\leq$  0.6 V, high  $\geq$  2.7 V)

**Minimum pulse width:** 1 ms

**Input/output impedance:** 100 K

**Open circuit input voltage:** 3.3 V

**Maximum input voltage:** 3.6 V

**User connection:** 24 AWG wires, 2 leads: white(+), black(-)

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

**Overall cable length:** 6.5 m (21 ft.)

**Housing:** Weatherproof PVC housing protects input adapter electronics

**Housing dimensions:** 14 x 0.95 cm (5.5 x 0.375 in.)

**Weight:** 310 g (11 oz.)

**Bits per sample:** 16

**Number of data channels:** 1

**Measurement averaging option:** No (reports the number of pulses over the logging interval)