ONSET

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 µs ± 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 ≤ 0.6 V, high ≥ 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)

Contact Us

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