Connects sensors with pulse outputs to data loggers with Smart Sensor inputs. 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).

Features:

- Plug-n-play adapter for pulse output sensors
- Automatically recognized by HOBO Energy Logger
- 1m cable length (extension cables available)

Technical Specifications:

Measurement Range

Temperature	:	-20° to 70°C (-4° to 158°F)
Light	:	0 to 320,000 lux (0 to 30,000 lumens/ft2)

Accuracy

Temperature	:	± 0.53°C from 0° to 50°C (± 0.95°F from 32° to 122°F), see Plot A in manual
Light intensity	:	Designed for measurement of relative light levels, see Plot D for light wavelength response

Resolution

Temperature	:	0.14°C at 25°C (0.25°F at 77°F), see Plot A in manual
Drift	:	Less than 0.1°C/year (0.2°F/year)

Response Time

Airflow of 2 m/s (4.4 mph)	:	10 minutes, typical to 90%
Water	:	5 minutes, typical to 90%
Time accuracy	:	± 1 minute per month at 25°C (77°F), see Plot B in manual

Operating Range

In water/ice	:	-20° to 50°C (-4° to 122°F)
In air	:	-20° to 70°C (-4° to 158°F)
Water depth rating	:	30 m from -20° to 20°C (100 ft from -4° to 68°F), see Plot C in manual
NIST traceable certification	:	Available for temperature only at additional charge; temperature range -20° to 70°C (-4° to 158°F)
Battery life	:	1 year typical use
Battery Type	:	CR2032

Memory

UA-002-08	:	8K bytes (approximately 3.5K combined temperature and light readings or events)
UA-002-64	:	64K bytes (approximately 28K combined temperature and light readings or events)
Materials	:	Polypropylene case; stainless steel screws; Buna-N o-ring
Weight	:	18 g (0.6 oz)
Dimensions	:	58 x 33 x 23 mm (2.3 x 1.3 x 0.9 inches
Environmental Rating	:	IP68

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

Subject to Change

ONSET AUTHORIZED DISTRIBUTOR