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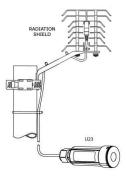
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HOBO U23-003 Pro V2 Weatherproof Temperature Data Logger with 2 x External Waterproof Sensors

Product Images





Short Description

TheHOBO U23-003 Pro v2 Data Logger is a weatherproof data logger with two external soil/water temperature probes on 6-foot cables for fast sensor response and deployment in tight spaces.

Description

The HOBO Pro v2 2x External Temperature Data Logger is a weatherproof data logger with two external

soil/water temperature probes on 6-foot cables for fast sensor response and deployment in tight spaces.

Highlighted Features

- Weatherproof housing for use in outdoor or condensing environments
- High accuracy
- Small-diameter external sensor versions for measurements in tight spaces
- Optic USB interface for fast and reliable download
- Compatible with HOBOware and HOBOware Pro software for logger setup, graphing and analysis

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IMPORTANT: HOBO U23 data loggers require either the BASE-U-4 or the U-DTW-1 Data Shuttle to offload data and launch loggers.

HOBO loggers require HOBOware software (free download).

Additional Information

Exploration range internal sensors: -0*15 3/0*1 (-0*0 1587) US3002 cortral is compared in starting internal sensors: -0*15 3/0*1 (-0*0 1587) Hermitsion in fight water up to 597 (1-0*0 10*17) According a compared internal sensors: -0*15 3/0*1 (-0*0 1587) Besponse Time Uppiced 0.0001 US3002 cortral is compared internal sensors: -10*15 3/0*1 (-0*0 1587) Besponse Time Uppiced 0.0001 US3002 cortral is compared internal sensors: -10*15 3/0*1 (-0*0 1587) US3002 cortral is compared at the sensor - 5 minutes in air moving 1 mixec: -20 to sensor - 5 minutes in air moving	Country of Manufacture	United States
U23-001, U23-002 : U01, V23-002 : U		Image: Sensor Operation range internal sensors: -40° to 70°C (-40° to 158°F) U23-002 external temperature sensor: -40° to 70°C (-40° to 158°F) U23-003 and U23-004 external sensors: -40° to 100°C (-40° to 212°F), with tip and cable immersion in fresh water up to 50°C (122°F) for one year Accuracy: ±0.21°C from 0° to 50°C (±0.38°F from 32° to 122°F); see Plot A Resolution: 0.02°C at 25°C (0.04°F at 77°F); see Plot A ØResponse Time (typical to 90%) U23-001 internal sensor: 40 minutes in air moving 1 m/sec U23-003 and U23-004 external sensors: 3 minutes in air moving 1 m/sec; 30 seconds in stirred water Stability (drift): < 0.1°C (0.18°F) per year
Environmental rating: Electronics housing is NEMA 6P equivalent (tolerant of brief submergence); Units with RH sensors are NEMA 4 equivalent (splash-resistant) Launch modes: Immediate start; delayed start Logging intervals; with up to 8 user-defined logging intervals and durations; logging intervals form 1 second to 18 hours (refer to HOBOware software manual) Offload modes: Offload while logging; stop and offload Battery indication: Battery indication in datafile. Weight U23-001: 138 g (3.1 oz) U23-002: 118 g (3.1 oz) U23-002: 118 g (3.1 oz) U23-002: 138 g (3.7 oz) U23-002: 138 g (3.1 oz) U23-002: 138 g (3.7 oz) U23-002: 138 g (3.1 oz) U23-0		measurements) <u>Materials</u> All models: ASA styrene polymer housing and mounting clamp; polypropylene protective cap; Buna-N o-ring(s) U23-001, U23-002 only: ASA styrene polymer RH sensor cap; modified hydrophobic polyethersulfone membrane <u>Cables</u> U23-001: No cables U23-002: One 184 cm (6 ft.) PVC cable; sensor diameter 1 cm (0.38 in.)
NIST certificate: Temperature certificate available for additional charge The CE Marking identifies this product as complying with the relevant directives in the European Union (EU).Ideal ForProfessional, AgronomyBrandOnset HOBOChannel(s)2Onset Product SeriesU23Typical applicationsEnvironmental (Indoor), Environmental (Outdoor), Field Research, Food Safety, Product Safety, Weather Monitoring		Environmental rating: Electronics housing is NEMA 6P equivalent (tolerant of brief submergence); Units with RH sensors are NEMA 4 equivalent (splash-resistant) Launch modes: Immediate start; delayed start Logging interval: Fixed-rate or multiple logging intervals, with up to 8 user-defined logging intervals and durations; logging intervals from 1 second to 18 hours (refer to HOBOware software manual) Offload modes: Offload while logging; stop and offload Battery indication: Battery voltage can be viewed in status screen and optionally logged in datafile. Low battery indication in datafile. Weight U23-001: 57 g (1.5 oz) U23-002: 118 g (3.1 oz) U23-003: 138 g (3.7 oz)
Ideal ForProfessional, AgronomyBrandOnset HOBOChannel(s)2Onset Product SeriesU23Typical applicationsEnvironmental (Indoor), Environmental (Outdoor), Field Research, Food Safety, Weather Monitoring		NIST certificate: Temperature certificate available for additional charge The CE Marking identifies this product as complying with the relevant directives in
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Product Safety, Weather Monitoring	Onset Product Series	U23
Measurements Soil Temperature, Temperature, Water Temperature	Typical applications	
	Measurements	Soil Temperature, Temperature, Water Temperature

https://www.enviromonitors.co.uk/hobo-u23-003-pro-v2-weatherproof-temp-data-logger-with-2-x-external-waterproof-

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Additional Options

Connectivity Options	HOBO Universal Optic USB Base Station Base-U-4 (includes Couplers)
	Waterproof Optic Data Shuttle U-DTW-1 (requires HOBOWare Pro)
Temperature Calibration Certificate	2 Point Temperature Calibration (0°C / 60°C)
	2 Point Temperature Calibration (please specify temperature points)
	1 Point Temperature Calibration (0°C)
Radiation Shield Option	RS3 Radiation Shield
HOBOware Pro Software Options	HOBOware Pro on USB Drive (USB cable included)
	HOBOware Pro on CD (USB Cable Included)
	HOBOware Pro - Download Only (USB cable NOT included)
USB Cable (included with HOBOware Pro on USB Drive & CD)	HOBO U-Series to PC USB Cable