HOBO UX100-003 USB Temperature and Humidity Data Logger (3.5% accuracy)

Product Images

Short Description

The HOBO UX100-003 Temp/RH data logger records temperature and relative humidity (within 3.5% accuracy) in indoor environments via its integrated sensor.

Description

The HOBO UX100-003 Temp/RH data logger records temperature and relative humidity (within 3.5% accuracy) in indoor environments with its integrated sensors. The data logger is ideal for monitoring and logging occupant comfort in office buildings, tracking food storage conditions in warehouses, logging temperature trends in server rooms, and measuring humidity levels in museums.

- Easy-to view LCD display
- Large memory capacity

https://www.tempcon.co.uk/hobo-ux100-003-temp-rh-3-5-percent-data-logger

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- Visual high & low alarm thresholds
- New Burst and Statistics logging modes
- User-replaceable RH sensor

Environment:

The UX100-003 Data Logger is for use in Indoor environments

Replacement for: H08-003-02, U10-003

NOTE: HOBO loggers require a USB cable and HOBOware software (free download).

Additional Information

Country of Manufacture	United States
Explanation	The country of origin for this product is the United States. To see the full specifications for this product, please see our product manual found under the documentation tab if available. **Temperature Sensor** **Range:** -20° to 70°C (-4° to 158°F) **Accuracy:** ±0.21°C from 0° to 50°C (±0.38°F from 32° to 122°F) **Resolution:** 0.024°C at 25°C (0.04°F at 77°F) **Response time:** 4 minutes in air moving 1 m/s (2.2 mph) **Drift:** <0.1°C (0.18°F) per year **RH Sensor** **Range:** 15% to 95% (non-condensing) **Accuracy:** ±3.5% from 25% to 85% including hysteresis at 25°C (77°F); below 25% and above 85% ±5% typical **Resolution:** 0.07% at 25°C (77°F) and 30% RH **Response time:** 43 seconds to 90% in airflow of 1 m/s (2.2 mph) **Drift:** <1% per year typical **Logger** **Logger Operating Range** **Logging:** -20° to 70°C (-4° to 158°F); 0 to 95% RH (non-condensing) **Launch/readout:** 0° to 50°C (32° to 122°F) per USB specification **Logging rate**: 1 second to 18 hours, 12 minutes, 15 seconds **Logging modes**: Normal, Burst or Statistics **Memory modes**: Wrap when Full or Stop when Full **Start modes**: Immediately, Push Button, Date & Time or Next Interval **Stop modes**: When Memory Full, Push Button, or Date & Time **Restart mode**: Push Button **Time accuracy**: ±1 minute per month at 25°C (77°F) **Battery life**: 1 year, typical with logging rate of 1 minute and sampling interval of 15 seconds or greater **Battery type**: One 3V CR2032 lithium battery **Memory**: 128 KB (84,650 measurements, maximum) **Download type**: USB 2.0 interface **Full memory download time**: 20 seconds **LCD**: LCD is visible from: 0° to 50°C (32° to 122°F); the LCD may react slowly or go blank in temperatures outside this range **Size**: 3.66 x 8.48 x 1.52 cm (1.44 x 3.34 x 0.6 in.) **Weight**: 30 g (1.06 oz) **Environmental rating**: IP50 The CE Marking identifies this product as complying with all relevant directives in the European Union (EU)
Brand	Onset HOBO
Onset Product Series	UX100
Typical applications	Building Monitoring, Energy, Environmental (Indoor), Thermal Comfort
Measurements	Humidity, Temperature

Additional Options

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)
Temperature & Humidity Calibration Certificate	Temperature & Humidity Calibration @ 20°C and 50RH
	Temperature & Humidity Calibration (please specify measurement points required)
USB Cable (included with HOBOware Pro on USB Drive & CD)	HOBO U-Series to PC USB Cable