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DISCONTINUED: HOBO UX100-023A Temperature and Humidity Data Logger with External Sensor

Product Images

Short Description

The HOBO UX100-023A External Temp/RH data logger records temperature and relative humidity in an indoor environment with its external sensor. Ideal for monitoring occupant comfort in office buildings, tracking food storage conditions in warehouses, logging temperature trends in server rooms, and measuring humidity levels in museums.

Description

The HOBO UX100-023A External Temp/RH data logger records temperature and relative humidity in an indoor environment with its external sensor. Ideal for monitoring 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
- Visual high & low alarm thresholds
- New Burst and Statistics logging modes
- User-replaceable RH sensor

Environment:
The UX100-023A Data Logger is for use in **Indoor** environments

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

Additional Information

Country of Manufacture	United States
Explanation	To see the full specifications for this product, please see our product manual found under the Resources tab. **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:** 6 minutes in air moving 1 m/s (2.2 mph) **Drift:** <0.1°C (0.18°F) per year **RH Sensor** **Range:** 1% to 100% RH at -40° to 75°C (-40° to 167°F), non-condensing; exposure to conditions below -20°C (-4°F) or above 95% RH may temporarily increase the maximum RH sensor error by an additional 1% **Accuracy:**±2.5% from 10% to 90% RH typical to a maximum of ±3.5% including hysteresis at 25°C (77°F); below 10% and above 90% ±5% typical **Resolution:** 0.01% **Response time:** 15 seconds to 90% in airflow of 1 m/s (2.2 mph) **Drift:** <1% per year typical **Cable length:** 1.83 m (6 ft) **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 2.29 cm (1.44 x 3.34 x 0.9 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) **Cable** **One 184 cm (6 ft.) PVC cable:** sensor diameter 1 cm (0.38 in.)
Promotion	**This product has been superseded by the HOBO MX2302A**
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