

HOBO UX100 Temp/RH 2.5% Data Logger - UX100-011



Measures:

Temperature, Relative Humidity

Features:

- Easy-to view LCD display
- Large memory capacity
- Visual high & low alarm thresholds
- New Burst and Statistics logging modes
- User-replaceable RH sensor

Qty	1-9	10-99	100+
\$US	\$125	\$116	\$106

Contact Onset at 1-800-564-4377

Description:

The HOBO UX100-011 Temp/RH [data logger](#) records [temperature](#) and [relative humidity](#) (within 2.5% accuracy) in indoor environments with its integrated sensors. This logger is 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.

Detailed Specifications:

Temperature Sensor

Range: -20°C to 70°C (-4°F to 158°F)

Accuracy: ±0.21°C from 0°C to 50°C (±0.38°F from 32°F to 122°F), see Plot A

Resolution: 0.024°C at 25°C (0.04°F at 77°F); see Plot A

Response Time: 4 minutes in air moving 1 m/s (2.2 mph)

Drift: <0.1°C (0.18°F) per year

RH Sensor

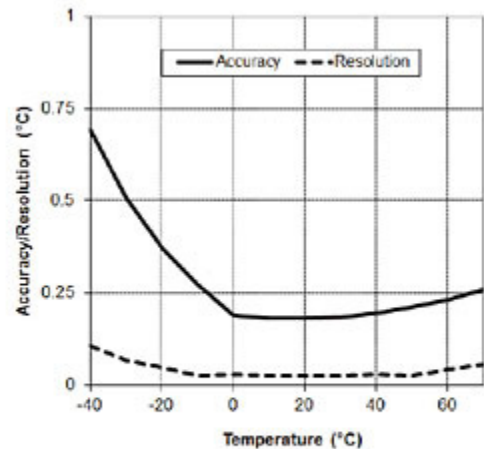
Range: 1% to 95%

Accuracy: ±2.5% from 10% to 90% typical to a maximum of ±3.5% including hysteresis, see Plot B

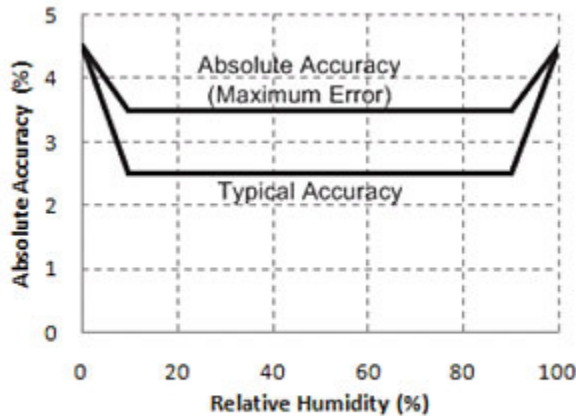
Resolution: 0.05% at 25°C (77°F)

Response Time: 11 seconds to 90% in airflow of 1 m/s (2.2 mph)

Drift: <1% per year typical



Plot A: Temperature Accuracy and Resolution



Plot B: RH Accuracy

Logger

Logger Operating Range:

Logging: -20°C to 70°C (-4°F to 158°F); 0 to 95% RH (non-condensing)
 Launch/Readout: 0°C to 50°C (32°F 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: $\hat{A}\pm 1$ minute per month at 25 \hat{A} C (77 \hat{A} F), see Plot C

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

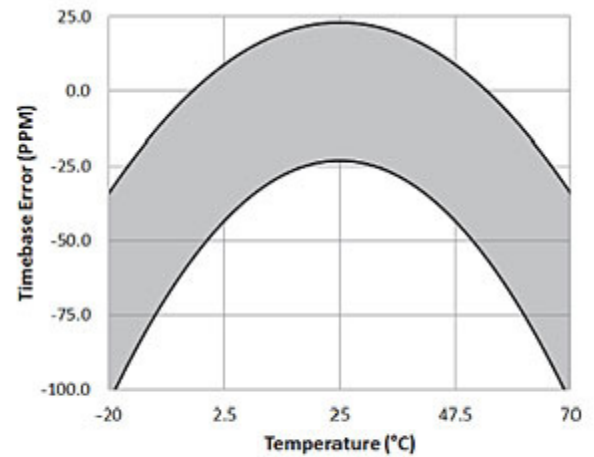
LCD: LCD is visible from: 0° to 50°C (32° to 122°F); the LCD may react slowly or go blank in temperatures outside this range

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

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



Plot C: Time Accuracy

HOB0 Data Loggers

1-800-LOGGERS