



## HOBO<sup>®</sup> UX100-011A Data Logger

### Temp/RH 2.5% Data Logger

The HOBO UX100-011 Temperature/Relative Humidity data logger records temperature and relative humidity (within 2.5% accuracy) in indoor environments with its integrated sensors. This data 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.

#### Supported Measurements:

Relative Humidity and Temperature

#### Key Advantages:

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



## HOBO UX100-011A Data Logger Specifications

### Temperature Sensor

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**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), 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

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**Range:** 1% to 95% (non-condensing)

**Accuracy:** ±2.5% from 10% to 90% 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:** 10 seconds to 90% in airflow of 1 m/s (2.2 mph)

**Drift:** <1% per year typical

### Logger

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#### 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), 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 (63,488 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)