



HOBO[®] UX100-003 Data Logger

Temperature/Relative Humidity 3.5%


With integrated sensors to measure and record temperature and relative humidity (within 3.5% accuracy) in indoor environments. 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.



Key Advantages:

- Easy-to-view LCD display
- Large memory capacity
- Visual high & low alarm thresholds
- Burst and Statistics logging modes
- User-replaceable Relative Humidity sensor
- Compatible with HOBOWare and HOBOWare Pro software for logger setup, graphing, and analysis

HOBO UX100-003 Data Logger Specifications

Temperature Sensor	
Range	-20° to 70°C (-4° to 158°F)
Accuracy	±0.21°C from 0° to 50°C , see manual for plot (±0.38°F from 32° to 122°F , see manual for plot)
Resolution	0.024°C at 25°C , see manual for plot (0.04°F at 77°F , see manual for plot)
Response Time	4 minutes in air moving 1 m/s (2.2 mph)
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)
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	Fixed interval (normal), burst, or statistics
Memory Modes	Wrap when full or stop when full
Start Modes	Immediate, push button, date & time, or next interval
Stop Modes	When memory full, push button, or date & time
Restart Mode	Push button
Power Source	One 3V CR2032 lithium battery and USB cable
Battery Life	1 year, typical with logging rate of 1 minute and sampling interval of 15 seconds or greater
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
Compliance Marks	

Contact Us

Sales (8am to 5pm ET, Monday through Friday)

- ▶ Email sales@onsetcomp.com
- ▶ Call 1-508-759-9500
- ▶ In U.S. toll free 1-800-564-4377
- ▶ Fax 1-508-759-9100

Technical Support (8am to 6pm ET, Monday through Friday)

- ▶ Contact Product Support www.onsetcomp.com/support/contact
- ▶ Call 1-508-759-9500
- ▶ In U.S. toll free 1-877-564-4377

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