

HOBO[®] U14 Loggers

Display, record, and get notified of temperature and humidity conditions

HOBO U14 data loggers display, record, and provide alarm notifications of temperature and humidity conditions. Receive out-of-range alarm notifications with the optional Auto Dialer, or remote Audible Alarm. These loggers are well-suited for use in manufacturing, processing, and storage environments where reliable monitoring and documentation of specific temperature and relative humidity conditions are critical.

Supported Measurements:

Temperature, Relative Humidity, Dew Point

Key Advantages:

- Real-time display of temperature and relative humidity
- Alarm display and output ensure timely notification of out-of-range conditions
- Optional Remote Alarm and Autodialer
- Choice of two models: Internal Temp/Humidity or External Temp/Humidity sensors
- Optional protective case for harsh or outdoor environments
- Fast data offload via USB

Minimum System Requirements:



Software



Sensor*



USB cable¹

*Sensor required for U14-002 only

¹USB cable included with software



Part number	U14-001 (Temp)	U14-002 (Ext Temp/RH)*
Memory	43,000 measurements	
Sample rate	1 second to 18 hours, recording times up to 1 year	
Battery life	1 year typical, user-replaceable, 3 AAA alkaline	
Range	Temp -20°C to 50°C (-4°F to 122°F)	
Accuracy	Temp $\pm 0.2^{\circ}\text{C}$ from 0° to 50°C ($\pm 0.36^{\circ}\text{F}$ from 32° to 122°F) - RH $\pm 2.5\%$ from 10 to 90%	
Resolution	0.03° at 25°C (0.05° at 77°F)	
Data channels	0	2
Measurement range	5% to 95% RH (non-condensing)	
Accuracy	$\pm 3.5\%$ RH from 25% to 95% over range of 5° to 55°C (41° to 131°F)	
Response time	Internal temp sensor	External temp Sensor
	• 15 min (to 90% in airflow of 1 m/sec)	• 5 min in airflow of 1 m/sec
Dimensions	Internal RH sensor	External RH Sensor
	• 2 min (to 90% in airflow of 1 m/sec)	• 5 min in airflow of 1 m/sec with protective cap
CE compliant	Yes	

Contact:
 Industrial Process Measurement, Inc.
 3910 Park Avenue, Unit 7
 Edison, NJ 08820
 732-632-6400
support@instrumentation2000.com
<http://www.instrumentation2000.com>