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DISCONTINUED: HOBO U14-002 Temperature & Relative Humidity Data Logger (LCD, External Sensors)

Product Images

Short Description

Now with USB interface for fast data download the Hobo LCD DataLogger with digital display measures and logs Temperature and Relative Humidity providing an 'Alert' display and relay contact output for out-of-limit alarms. Two models are available: U14-001 with internal temperature/RH sensors, and U14-002 which

accepts an external temperature sensor, or an external temperature/RH sensor.

Description

The HOBO U14 LCD External Temperature/Relative Humidity (RH) Data Logger displays and records temperature and humidity conditions. It is well-suited for use in manufacturing, processing, and storage environments where reliable monitoring and documentation of specific temperature/relative humidity conditions are critical.

Data is offloaded via USB to a PC or Mac computer.

Highlighted Features

- Faster USB data download time
- Improved Temp/RH sensor resolution
- Real-time display of Temperature and RH
- Alarm display and output ensure timely notification of out-of-range conditions
- Two models to choose from - with internal sensors, or with external senors
- Optional protective case for wet or condensing environments
- Compatible with HOBOware and HOBOware Pro software for logger setup, graphing and analysis.

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

Additional Information

Country of Manufacture	United States
Explanation	The country of origin for this product is the United States. **Environmental** • Operating temperature range -20°C to +50°C, (-4°F to +122°F) , 0 to 100% RH non-condensing • Operating relative humidity range 0 to 95%, non-condensing, noncorrosive environment **Logger Capabilities** • Capacity: Temp and RH: 21,500 measurements Temp Only: 43,000 measurements • Software-selectable sampling intervals: 1 second up to 18 hours, recording times up to 1 year • Programmable start time/date • Recording modes: Stop when full • Launch Modes: Immediate, Delayed • Nonvolatile EEPROM memory retains data even if batteries fail **LCD** • Size: 33 x 50.8 mm (1.3 x 2 inches) • Displays temperature and relative humidity simultaneously • Displays °C or °F (selectable within host software) • Displays memory remaining and battery level • Displays flashing ALERT for out-of-limits conditions (selectable within host software) and stops flashing on offload or return to normal range **Alarms** • High and low set points for both temperature and relative humidity • Selectable delays for each set point. • Alert conditions reset on offload or return to normal range. • Selectable Contact Relay: Normally Closed or Normally Open • Contact rating: 48VDC, 1A max • Contact resistance: less than 1 Ohm • Wire size range is 22AWG to 14AWG • 0% Low Battery Range Communications • Offloads data to PC or U-Shuttle via USB cable • Readout full logger (64K) in less than 30 seconds **Timekeeping** • Time accuracy: ±1 minute per month at +20°C (+68°F). **Power** • 3 AAA Alkaline batteries, user-replaceable **Size/Weight** • 125 x 92 x 31 mm (4.9 x 3.6 x 1.2 inches) • 170 g (6.0 oz) with batteries **External Sensors** • For External Sensor Specifications, see the sensor's user manual. **Battery Life** • The batteries will last one year in typical conditions (logging intervals of ≥ 1 minute with weekly offloads and average temperatures greater than 10°C or +50°F). Frequent offloads and/or extreme temperatures will reduce battery life. • At temperatures below freezing (0°C or +32°F), batteries will typically require replacement every six months. In these conditions the battery level bar graph should be checked regularly.
Promotion	**This product has been discontinued. See our full range of temperature & humidity data loggers**
Brand	Onset HOBO
Channel(s)	2
Onset Product Series	U14
Typical applications	Environmental (Indoor), Environmental (Outdoor), Water Quality
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