

- Real-time display of Temperature and Relative Humidity
- Alarm display and output ensure timely notification of out-of-range conditions
- Two models to choose from—Internal Temp/RH or External Temp/RH sensors
- Optional protective case for outdoor environments
- Optional Remote Alarm and Autodialer
- Fast data downloading via USB



Memory: 43,000 measurements
 Sample rate: 1 second to 18 hours
 Battery life: 1-year (typical)—user-replaceable
 Operating range: -20° to 50°C (-4° to 122°F) 0 to 100% RH non-condensing
*Weatherproof case required for outdoor use (U14-CASE-4x).
 Internal Sensor version not suitable for outdoor use.*



Internal Temperature

Measurement range: -20° to 50°C (-4° to 122°F)
 Accuracy: ±0.2°C from 0° to 50°C (±0.36°F from 32° to 122°F)
 Resolution (12 bit): 0.03° @ 25°C (0.05° @ 77°F)
 Response time: 15 minutes (to 90% in airflow of 1 meter/second)

Internal RH

Measurement range: 0-100% RH, -20° to 50°C (-4° to 122°F)
 Accuracy: ±2.5% from 10 to 90% RH
 Resolution (12 bit): 0.03% RH @ 25°C (77°F)
 Response time: 2 minutes (to 90% in airflow of 1 meter/second)

External Temperature/Temp/RH Sensors



Stainless Steel Temperature Probe

S-TMB-M002*
 S-TMB-M006*
 S-TMB-M017*

Temperature

Measurement range: -40° to 100°C (-40° to 212°F) for sensor tip only
 Accuracy: ±0.2°C from 0° to 50°C (±0.36°F from 32° to 122°F)
 Resolution (12-bit): 0.03°C @ 25°C (0.05° @ 77°F)
 Response time: 2 minutes (to 90% in airflow of 1 meter/second)

Temperature

Measurement range: -40° to 75°C (-40°F to 167°F)
 Accuracy: ±0.2°C from 0° to 50°C (0.36°F from 32° to 122°F)
 Resolution (12 bit): 0.03°C @ 25°C (0.04°F @ 77°F)
 Response time: 5 minutes (to 90% in airflow of 1 meter/second)



External Temperature/RH Probe

S-THB-M002*
 S-THB-M008*

RH

Measurement range: 0 - 100% RH @ -40° to 75°C (-40° to 167°F)
 Accuracy: ±2.5% from 10 to 90%RH
 Resolution (10 bit): 0.1% RH @ 25°C (77°F)
 Response time: 10 minutes (to 90% in airflow of 1 meter/second) with protective cap

***Last two digits of product number indicate sensor cable length (in meters).**



Remote Alarm
ARA

Remote Alarm

- Adjustable audible alarm level (soft/loud)
- Self-test confirms proper indicator operation
- Two inputs provide alarm notification for separate zones
- 1 year battery life (typical)—user-replaceable
- Battery status indication



Auto Dialer
AVD-45

Auto Dialer

- Dials up to 4 different numbers
- Transmits either voice or numeric messages (for pagers)
- Automatically redials busy or unanswered numbers (up to 10 times for each number)
- AC powered (AC adapter included)
- Internal 9V alkaline battery provides 4 hours of stand-by power
- Works alone or in conjunction with remote alarm



Protective Case for LCD Logger
U14-CASE-4x
1.7 x 12.7 x 5.7 cm
(6.75 x 2.25 in)
315.2 g (11.2 oz)



Protective Case

- Tested to NEMA 4X (IP65) Standards
- External Temperature or Temperature/RH sensor and alarm relay cables feed through watertight grommets
- Easy data readout via removable watertight fitting with O-ring seal
- Hook and loop tape secures LCD logger inside case
- Materials: Polycarbonate body and cover—UV stabilized

Note: Protective Case is for use with the U14-002 HOBO LCD Data Logger with external input from remote Temperature or Temperature/RH sensors. Check the HOBO LCD Sensor specifications to assure that the unprotected external sensor is recommended for your operating environment.

NIST-traceable accuracy certification is available.

HOBO U14 Model Comparison & Ordering Information

Contact Onset for availability		Internal Temp/RH	External Temp or Temp/RH
		 U14-001	 External Sensors sold separately. See page 10. U14-002
Product Number			
Price			
Number of Channels		1	2
Internal Sensors	Temperature	yes	--
	Relative Humidity	yes	--
External Sensor	Temperature	--	yes
	Relative Humidity	--	yes
Size	cm	5.8 x 7.4 x 3.8	5.8 x 7.4 x 3.8
	inches	2.3 x 2.9 x 0.85	2.3 x 2.9 x 0.85
Weight	grams	46	46
	ounces	16	16

Software and Accessories

Software

HOBOWare Pro Software (Windows®)	BHW-PC
HOBOWare Pro Software (Mac®)	BHW-MAC
HOBOWare Lite Software (Windows/Mac)	BHW-LITE
Two-Zone Remote Alarm	ARA
Auto Dialer	AVD-45
HOBO U-Shuttle	U-DT-1