HOBO® U12 Logger

Multi-channel energy & environmental monitoring

HOBO U12 data loggers provide flexibility for monitoring up to 4 channels of energy and environmental data with a single, compact logger. They provide 12-bit resolution measurements for detecting greater variability in recorded data, direct USB connectivity for convenient, fast data offload, and a 43K measurement capacity.

Supported Measurements: Temperature, Relative Humidity, Dew Point, 4-20mA, AC Current, AC Voltage, Air Velocity, Carbon Dioxide, Compressed Air Flow, DC Current, DC Voltage, Gauge Pressure, Kilowatts, Light Intensity, Volatile Organic Compound (some sensors sold separately)

Key Advantages:

• Records up to 4 channels
• Your choice of three models, with flexible measurement options
• Programmable as well as push-button start
• Compatible with a broad range of external sensors

Minimum System Requirements:

Software   USB cable*

▶ For complete information and accessories, please visit: **www.onsetcomp.com**

Part number	U12-006 (4 Ext)	U12-012 (Temp/RH/Light/Ext)	U12-013 (Temp/RH/2 Ext)
Memory	43,000 measurements		
Sampling rate	1 second to 18 hours, user-selectable		
Battery life	1 year typical, user-replaceable, CR2032		
		Temperature	
Max range		-20° to 70°C (-4° to 158°F)	
Accuracy		± 0.35°C from 0° to 50°C (± 0.63°F from 32° to 122°F)	
Resolution (12-bit)		0.03°C @ 25°C (0.05°F @ 77°F)	
		Relative Humidity	
Measurement range		5% to 95% RH (non-condensing)	
Accuracy		± 2.5% typical, 3.5% maximum, from 10 to 90% RH	
Resolution (10-bit)		0.03% RH	
		Light Intensity	
		Designed for general purpose indoor measurement of relative light levels	
Range		1 to 3000 footcandles (lumens/ft2) typical 0-32,300 lumens/m2	
	External Input		
Range	0 to 2.5 VDC		
Accuracy	± 2 mV, ± 2.5% of absolute reading		
Resolution	0.6 mV		
CE compliant		Yes	

*USB cable included with software
For stand-alone data logging applications in harsh indoor environments, see the 4-channel HOBO U12 Industrial data logger (U12-008) at onsetcomp.com

Contact Us

Sales (8am to 5pm ET, Monday through Friday)
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▶ Call 1-800-564-4377
▶ Fax 508-759-9100

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