

H22-001

## HOBO H22 Energy Data Logger

### Multi-Channel Data Logger

Monitor energy and industrial equipment with this 15-channel data logger to quickly detect and address issues relating to HVAC, machinery, and other systems.

#### Important Information

External sensors sold separately. Requires HOBOWare software and part # ADAPT-SER-USB interface cables. See compatible items below.



Compatible with  
**HOBOWare® Software**



### Supported Measurements

4-20mA, AC Current, AC Voltage, Air Velocity, Amp Hour (Ah), Carbon Dioxide, Compressed Air Flow, DC Current, DC Voltage, Dew Point, Differential Pressure, Gauge Pressure, Kilowatt Hours (kWh), Kilowatts (kW), Power Factor (PF), Pulse Input, Relative Humidity, Temperature, Volt-Amp Reactive, Volt-Amp Reactive hour, Volt-Amps (VA), Water Flow, Watt Hours (Wh), Watts (W)

### Features

- Flexible data logger records up to 15 channels of more than a dozen measurements
- Provides 12v excitation for third-party sensors
- Pre-configured Smart Sensors get you started fast
- Signal conditioning modules retain configurations until you change them, providing plug-and-play convenience for commonly used sensors
- Flexible power options include battery operation for AC power adapter

### What's in the box

- HOBO H22-001 Energy Logger
- Eight 1.5V alkaline batteries
- 1 miniature slotted screwdriver
- Blank label
- Rubber feet

### Contact Us

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

- Email [sales@onsetcomp.com](mailto:sales@onsetcomp.com)
- Call 1-508-759-9500
- In U.S. toll free 1-800-564-4377
- Fax 1-508-759-9100

Onset Computer Corporation  
470 MacArthur Boulevard  
Bourne, MA 02532

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

- Contact Product Support [www.onsetcomp.com/support/contact](http://www.onsetcomp.com/support/contact)
- Call 1-508-759-9500
- In U.S. toll free 1-877-564-4377

## HOBO H22 Energy Data Logger (H22-001) Specifications

### No category

<b>Operating range</b>	-20° to 50°C with alkaline batteries (-4° to 122°F with alkaline batteries) -40° to 60°C with lithium batteries (-40° to 140°F with lithium batteries)
<b>Sensor inputs</b>	Three FlexSmart multi-channel modules and up to 6 Smart Sensors (which may have multiple parameters/channels)
<b>Sensor connectors</b>	Six RJ-12 Smart Sensor jacks plus 3 FlexSmart module slots
<b>Communication</b>	RS-232 via 3.5 mm serial port or/and 9-pin D-Sub connector
<b>Dimensions</b>	15.6 cm x 8.4 cm x 4.6 cm (6.13" x 3.31" x 1.81")
<b>Weight</b>	435 g with batteries (15.23 oz with batteries) 238 g without batteries (8.33 oz without batteries)
<b>Memory</b>	512K nonvolatile flash data storage
<b>Memory modes</b>	Stop when full; wrap when full
<b>Operational indicators</b>	Six indicators provide logging and sensor network status
<b>Logging interval</b>	One second to 18 hours, user-specified interval (2-second minimum for two-channel S-FS-TRMSA operation)
<b>Sensor excitation</b>	12 V DC at 200 mA total, with user-programmable warmup time on a per-channel basis
<b>Battery life</b>	One year typical use (up to 75 mA excitation with 10-minute or longer logging Interval and 1-second warmup time)
<b>Battery type</b>	Eight standard AA alkaline batteries included (for operating conditions -20°C to 50°C) (Eight standard AA alkaline batteries included) Optional AA lithium batteries available for operating conditions of -40° to 60°C. (Optional AA lithium batteries available for operating conditions of -40° to 60°C.)
<b>External power</b>	Supports optional 13.6 V DC regulated AC Wall Adapter Connector. Internal batteries may remain installed. Alternatively, an automotive battery or 9-12 V DC regulated Wall Adapter may be used, but it is recommended to remove the internal batteries since they will discharge to the level of the external supply.
<b>Time accuracy</b>	0 to 2 seconds for the first data point and ±5 seconds per week at 25°C (0 to 2 seconds for the first data point and ±5 seconds per week at 25°C)
<b>Logging mode</b>	Immediate, timed delay, or trigger (button-push) start options; supports sampling intervals for some sensors
<b>Data communication</b>	Current readings while logging; read out while logging; read out when stopped

