

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
- 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
- Call 1-508-759-9500
- In U.S. toll free 1-877-564-4377

HOBO H22 Energy Data Logger (H22-001) Specifications

No category

Operating range	-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)
Sensor inputs	Three FlexSmart multi-channel modules and up to 6 Smart Sensors (which may have multiple parameters/channels)
Sensor connectors	Six RJ-12 Smart Sensor jacks plus 3 FlexSmart module slots
Communication	RS-232 via 3.5 mm serial port or/and 9-pin D-Sub connector
Dimensions	15.6 cm x 8.4 cm x 4.6 cm (6.13" x 3.31" x 1.81")
Weight	435 g with batteries (15.23 oz with batteries) 238 g without batteries (8.33 oz without batteries)
Memory	512K nonvolatile flash data storage
Memory modes	Stop when full; wrap when full
Operational indicators	Six indicators provide logging and sensor network status
Logging interval	One second to 18 hours, user-specified interval (2-second minimum for two-channel S-FS-TRMSA operation)
Sensor excitation	12 V DC at 200 mA total, with user-programmable warmup time on a per-channel basis
Battery life	One year typical use (up to 75 mA excitation with 10-minute or longer logging Interval and 1-second warmup time)
Battery type	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)
External power	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.
Time accuracy	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)
Logging mode	Immediate, timed delay, or trigger (button-push) start options; supports sampling intervals for some sensors
Data communication	Current readings while logging; read out while logging; read out when stopped

