



HOBO® H22-001 Data Logger

H22 Energy

Monitor energy and industrial equipment with this 15-channel data logger (Part # H22-001). With multiple channels, energy and facility managers can quickly and easily detect and address a variety of issues relating to HVAC, machinery, and other systems. The HOBO H22-001 Energy Data Logger is modular and more economic than its alternatives because a toolbox full of data loggers is not necessary.


Deploy this product with a variety of pre-defined plug-and-play smart sensors to create a robust monitoring system. Compatible with HOBOWare® software, researchers can conduct effective data analysis in minutes.



Key Advantages:

- Onset's most flexible data logger records up to 15 channels of over 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

HOBO H22-001 Data Logger Specifications

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 (for operating conditions -4°F to 122°F)) Optional AA lithium batteries available for operating conditions of -40° to 60°C. (Optional AA lithium batteries available for operating conditions of -40° to 140°F.)
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 77°F)
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
Compliance Marks	

Contact Us

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

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- ▶ In U.S. toll free 1-800-564-4377
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Technical Support (8am to 6pm ET, Monday through Friday)

- ▶ Contact Product Support www.onsetcomp.com/support/contact
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