



## HOBO<sup>®</sup> 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<sup>®</sup> 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 (-4° to 122°F) with alkaline batteries

-40° to 60°C (-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 (15.23 oz) with batteries 238 g (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/-4°F to 50°C/122°F); optional AA lithium batteries available for operating conditions of -40° to 60°C (-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 (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

This product meets CE specification EN61326 criterion C for ESD, criterion C for Radiated Immunity, criterion B for Fast Transient, criterion A for Conducted Immunity, and criterion A for Power Frequency Magnetic Fields. To minimize measurement errors due to ambient RF, use the shortest possible probe sensor cable length.

## 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

Technical Support (8am to 6pm 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

Onset Computer Corporation

470 MacArthur Boulevard

Bourne, MA 02532