

The new HOBO Pro loggers feature a 100% weatherproof case, 64K of memory, high resolution mode and improved accuracy, making them ideal for a variety of natural resource applications. The archive feature automatically stores data from the last seven deployments and all data is stored in nonvolatile EEPROM memory so it is safe even if the battery fails. With the easy-to-use BoxCar Pro Software (order separately), you can choose a sampling interval or specify a custom interval, select a starting date and time, choose the resolution, and download recorded data. Data can also be retrieved with the HOBO Shuttle (sold separately), allowing the logger to be downloaded and relaunched while remaining in the field. Files are easily exported to spreadsheet programs or they can be graphed and printed directly from BoxCar Pro.

Each logger comes with user-replaceable 3-year lithium battery, mounting tabs, self-tapping screws, and hook-and-loop tape for mounting. The dual channel temperature logger comes with a temperature sensor with 6' lead.

Features:

- 100% Weatherproof
- High accuracy: $\pm 0.3^\circ\text{F}$, $\pm 3\%$ RH
- Capacity: 65,291 standard resolution measurements (32,645 high resolution)
- 0–100% RH range; waterproof RH sensor
- User-selectable sampling intervals from 0.5 sec to 9 hours
- Deployments up to 3 years depending on sampling interval
- High speed data readout: <1 minute for a full logger
- Drop proof to 5'
- Precision electronics eliminate the need for calibration
- Programmable start date and time
- Blinking LED confirms operation
- Battery check at launch
- Operating range: -22° to 122°F
- Size/Weight: 4 x 3.2 x 2", 3.7 ounces

Measurement Specifications:**TEMPERATURE (Internal Sensor)**

Range: -22° to 122°F (-30° to 50°C)
Accuracy: $\pm 0.3^\circ\text{F}$ ($\pm 0.2^\circ\text{C}$) at 70°F in high resolution mode, $\pm 0.7^\circ\text{F}/\pm 0.4^\circ\text{C}$ in standard resolution mode
Resolution: 0.04°F (0.02°C) at 70°F in high resolution, 0.5°F (0.3°C) in standard

Response Time in Still Air:

<34 minutes

TEMPERATURE (External Sensor)

Same accuracy and resolution as internal sensor above

Range: -40° to 212°F (-40° to 100°C)
Response Time: <5 minutes in air
Probe Diameter: 0.2" sensor fits through $\frac{1}{4}$ " drilled holes

RELATIVE HUMIDITY

Range: 0–100% RH
Accuracy: $\pm 3\%$
Drift: <1% per year; factory tune-up available
Response Time: <30 minutes in still air
Operating Environment for RH Sensor:
 32° – 122°F (0° – 50°C)

Ordering Information:

- 113684 HOBO Pro temperature logger 0.5 lb.
- 113685 HOBO Pro temp/external temp logger 0.5 lb. (sensor with 6' lead included)
- 113686 HOBO Pro temp / RH logger 0.5 lb.
- 113687 Service Kit (battery, o-rings, cap, cover screw and lubricant) 0.5 lb.
- 113688 Battery 0.3 lb.
- 113695 HOBO Shuttle 0.3 lb.
- 113700 Boxcar Pro Software

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