

HOBO® Pro Family of Data Loggers

Temperature, External Temperature, and Relative Humidity for Indoor, Outdoor, and Industrial use

The HOBO Pro series of H8 data loggers are ruggedly designed for years of reliable use in outdoor applications or condensing environments. HOBO Pro models offer high level temperature and relative humidity (RH) monitoring accuracy.



H08-030-08
Temp



H08-031-08
Temp/
External Temp



\$189 (IS version)
H08-032-08
RH/Temp

Family Features & Specifications

- 8- or 12-bit temperature resolution
- Record up to 64K readings
- Programmable start time/date
- Programmable sampling rate (0.5 second to 9 hours)
- Blinking LED in communications port confirms operation
- Automatic data archiving of previous deployments
- User-replaceable battery lasts 3 years
- Battery level indication at launch
- Non-volatile memory retains data even if battery fails
- NIST-Traceable temperature accuracy certification available
- Compliance certificate available
- Readout and relaunch with optional [HOBO Shuttle](#)
- Size: 102 x 81 x 51 mm (4 x 3.2 x 2")
- Weight: Temp, RH/Temp approx. 104 gms (3.7 oz.); Temp/External approx. 145 gms (5.1 oz.)
- Optional [Rain Shield](#) and [Solar Radiation Shield](#) available
- [Detailed specifications](#) for HOBO Pro loggers

HOBO Pro Temperature Data Logger

Part # H8-030-08

Single-channel logger with internal temp sensor

Key Specifications

- Temperature Measurement Range: -30° to 50°C (-22° to 122°F)
- Temperature Accuracy: ±0.2° at 21°C (±0.33° at 70°F)

HOBO Pro Temp/External Temp Data Logger

Part # H8-031-08

Two-channel logger with internal temp sensor and external soil/water temp probe on 2-meter (6-foot) cable.

Key Specifications

- Internal Temperature Measurement Range: -30° to 50°C (-22° to 122°F)
- External Temperature Measurement Range: -40° to 100°C (-40° to 212°F)
- Temperature Accuracy: ±0.2° at 21°C (±0.33° at 70°F)

HOBO Pro RH/Temp Data Logger

Part # H08-032-08

Part # H08-032-IS (Intrinsically Safe)

Two-channel logger with internal temp and relative humidity (RH) sensor*

Key Specifications

- Temperature Measurement Range: -30° to 50°C (-22° to 122°F)
- Temperature Accuracy: ±0.2° at 21°C (±0.33° at 70°F)
- RH Measurement Range: 0% to 100% RH
- RH Accuracy: ±3% RH; ±4% RH in condensing environments

* RH sensor is designed for use in outdoor environments with cyclical high- and low-humidity level. Intermittent condensation permitted only when temperatures are less than 30°C (86°F). Operation outside stated limits, or repeated sensor saturation, will lead to premature sensor failure. RH sensor requires protection from rain, splashing, mist, and airborne chemicals such as salt and ammonia.

A software starter kit is required for operation

[BoxCar® Pro](#) or [BoxCar](#) starter kits are available. Each starter kit includes software, computer interface cable and software manual. If you already have logger software, you can refer to the [Logger Software Compatibility Chart](#). Upgrade to BoxCar Pro 4.3 or BoxCar 3.7.2 available.