

H08-032-IS

HOBO Temperature/Relative Humidity Intrinsicly Safe Data Logger



Discontinued

An intrinsically safe two-channel data logger with internal temperature and relative humidity (RH) sensors, this model has a rugged housing designed for years of reliable use in outdoor applications. This model offers high accuracy, 8- or 12-bit resolution settings, and 64K of memory for long-term deployments. An intrinsically safe two-channel data logger with internal temperature and relative humidity (RH) sensors, this model has a rugged housing designed for years of reliable use in outdoor applications.

Important Information

This product is compatible with Boxcar, which is discontinued. However, users of our legacy products can still download the unsupported free version below:



Compatible with
BoxCar

Supported Measurements

Relative Humidity, Temperature

Features

- Certified intrinsically safe for monitoring hazardous locations where combustible gas and/or dust may be present

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

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

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HOBO Temperature/Relative Humidity Intrinsically Safe Data Logger (H08-032-IS) Specifications

Operating range (logger): -30°C to +50°C (-22°F to +122°F), 0 - 100% RH, HOBO Pro RH/Temp IS should be mounted so that water does not impact or collect in the RH sensor.

RH Sensor operating environment: 0°C to +50°C (+32°F to +122°F) in intermittent condensing environments up to +30°C; and above +30°C in non-condensing environments.

Sensor requires protection from rain, splashing, mist, dust, and airborne chemicals such as salt and ammonia.

Time accuracy: approx. ±1 minute per week (±100 ppm at +20°C or +68°F), full dependence shown in manual.

Measurement capacity: 65,291 standard-resolution (8-bit) measurements, 32,645 high-resolution (12-bit) measurements or 21,763 measurements if one channel uses standard-resolution and the other channel uses high-resolution. RH measurements use standard resolution only. All measurements are stored in nonvolatile memory, with seven levels of data archiving

Data offload time: 1 minute typical

Size: 4.0" H x 3.2" W x 2.0" D

Weight: approx. 3.7 oz.

Battery: Tadiran TL-5902, lithium, (3.6V 1.2Ah), user-replaceable (Use only Onset part # HP-B)

Battery life (continuous use): 3 years

Storage temperature: -30°C to +75°C (-22°F to +167°F)

Intrinsically Safe Rating: IS, Class I, II, Division 1, Groups A-G, Temperature Code T4 (<135oC); NI, Class I, Division 2, Groups A-D, Temperature Code T4 (<135oC); S, Class II, Division 2, Groups F and G