

outdoor

HOBO® H8 Outdoor Industrial Logger

4-channel external

A rugged 4-channel logger designed for use in harsh outdoor and industrial applications, this logger can be configured for your application with Onset's plug-in sensors for temperature or AC current, or any sensors with 4-20 mA or 0-2.5 volt DC output.



Size: 140 x 137 x 32 mm (5.50 x 5.38 x 1.25")
Weight: approx. 200g (7oz)

Key Specifications

Operating Range: -20° to 70°C (-4° to 158°F)
Operating Environment: Weatherproof-case tested to NEMA 2
Measurement Capacity: 32,520 total measurements

Features

Versatile with Wide Range of Sensors Available (see pg 5 for full sensor specifications)

- Accepts external sensors and input cables for temperature, AC current, 0-2.5 Volt DC and 4-20mA
 - TMC6-HB, TMCx-HA and TMCx-HD series temperature sensors with lengths from 1' to 50'
 - TMCx-HD series water/soil temperature sensors for immersion in soil or fresh water up to 50°C (122°F) for up to 1 year
 - TMC6-HC stainless steel Temperature probe
 - Split-core AC current sensors, with ranges from 0-20 AC amps to 0-600 AC amps (these are not weatherproof)
 - 0-2.5 V DC input cable
 - 4-20 mA input cable

Reliable Performance

Nonvolatile EEPROM memory retains data even if battery fails
Battery level indication at launch
Memory Modes: Stop when full, Wrap around when full
User-replaceable battery lasts 1 year
Blinking LED confirms operation
Intrinsically safe model available

Easy to Use

Programmable start time/date
User-selectable sampling intervals: 0.5 seconds to 9 hours, recording times up to 1 year
Access port located on bottom for easy data offload
Readout and relaunch with optional HOBO Shuttle or HandCar® software operating on a Palm™ handheld


External Input Specifications

2.5 mm jack: ground, input, switched 2.5 Volts output;
ground connection is the same as PC interface connector ground
Input range: 0 to 2.5 Volts DC
Accuracy: ±10 mV ±2.5% of reading
Resolution: 10 mV (8-bit)
Output Power: +2.5 Volts DC at 2 mA, active only during measurements


Detailed Specifications

Mounting hardware included (4 mounting screws and washers)
Time Accuracy: ±1 minute per week @ 20°C (68°F)
Drop proof to 5'

 HandCar® software compatible

 HOBO® Shuttle-compatible

 Compliant with all relevant directives in the European Union (EU)

 Intrinsically Safe Model

HOBO H8 Outdoor/Industrial Logger Ordering

Description	Part No.
4-Channel Outdoor/Industrial logger	H08-008-04
4-Channel Outdoor/Industrial-Intrinsically safe logger	H08-008-IS
HOBO Shuttle (optional)	H09-002-08
HandCar Software for Palm™ handhelds	HC1.1
BoxCar Pro 4.3 Starter Kit (Windows)	BCP4.3-DL
BoxCar 3.7 Starter Kit (Windows)	BC3.7-DL
USB-Serial Adapter	CABLE-USB232
10 Replacement Batteries	HRB-TEMP
Replacement desiccant	DESIC-PACK
Set of two U-bolts	U-Bolt-Kit
Replacement parts kit	H8x4-BK

Note: A BoxCar Pro 4.3 or BoxCar 3.7 starter kit is required to operate the H8 4-Channel loggers. Each starter kit includes software, PC interface cable and software manual. HandCar requires Palm™ to logger cable. Use with a USB port requires USB-Serial Adapter and BoxCar Pro 4.3+.

HOBO H8 External Sensors and Cables Ordering

Wide-range temperature sensors with 1' cable	TMC1-HA
with 6' cable	TMC6-HA
with 20' cable	TMC20-HA
with 50' cable	TMC50-HA
Water/soil temperature sensor with 6' cable	TMC6-HD
with 20' cable	TMC20-HD
with 50' cable	TMC50-HD
High-accuracy temp sensor	TMC6-HB
Stainless steel temp probe	TMC6-HC
4-20mA cable	CABLE-4-20mA
Voltage input cable	CABLE-2.5-STEREO
Split-core AC Current Sensors*	
0-20 AAC	CTV-A
0-50 AAC	CTV-B
0-100 AAC	CTV-C
0-200 AAC	CTV-D
0-600 AAC	CTV-E

* Warranty on CTVs is 5 years from date of original shipment