



HOBO U12 Industrial Logger U12-008
 14.0 x 13.7 x 3.2 cm
 (5.50 x 5.38 x 1.25 in)

The HOBO U12 Industrial data logger is a 4-channel logger that accepts a wide range of external sensors. The rugged enclosure is designed for use in harsh outdoor environments, as well as indoor industrial applications.

Key Advantages:

- Weatherproof enclosure (tested to NEMA 4x and IP67)
- Four channels of external input allow monitoring of multiple parameters

Memory: 43,000 measurements
 Sample rate: 1 second to 18 hours, user-selectable
 Battery life: 1-year (typical)—user-replaceable



External Input

External sensors for temperature, AC current, AC voltage, CO₂, 4-20mA, 0-2.5 VDC
 Input range: 0 to 2.5 volts DC
 Accuracy: ±2mV ±2.5% of absolute reading
 Resolution (12-bit): 0.6 mV
 Output power: 2.5 volts DC at 2 mA, active only during measurements
 Maximum recommended source impedance: 2.5k ohms

Ordering Information

Data Loggers

HOBO U12 Industrial Logger U12-008
kW**
 3 Phase, 450V, 100 AMP T-VER-8044-100

Gauge Pressure†**
 100 psig T-ASH-G2-100
 200 psig T-ASH-G2-200
 500 psig T-ASH-G2-500

Differential Air Pressure Transducer†**
 .01-10.0 WC T-VER-PXU-L
 .01-10.0 WC T-VER-PXU-X

Humidity†**
 Duct-Mount RH/Temp T-VAI-HMD-40Y

DC Current†**
 0-200 Amp T-VER-H970-200
 -200 to 200 Amp T-VER-971BP-200

Air Velocity Sensor†**
 0.15-10 m/s T-DCI-F900-L-P
 0.15-5 m/s T-DCI-F900-L-O
 0.15-10 m/s T-DCI-F900-S-P
 0.15-5 m/s T-DCI-F900-S-O

Compressed Air Flow Meter**
 1-80 SCFM T-CDI-5200-10S
 3-350 SCFM T-CDI-5400-20S

Volatile Organic Compound (VOC)†**
 0-10, 0-100, 0-1000 ppm T-ION-TVOC

Temperature Sensors

Air/Water/Soil Probe 0.3m (1ft) TMC1-HD
 Air/Water/Soil Probe 1.8m (6ft) TMC6-HD
 Air/Water/Soil Probe 6.1m (20ft) TMC20-HD
 Air/Water/Soil Probe 15.2m (50ft) TMC50-HD
 Stainless Steel Temp Probe 1.8m (6ft) TMC6-HC
 Pipe Temp 1.8m (6ft) TMC6-HE

Split-core AC Current Sensors

0-20 Amps AC CTV-A
 0-50 Amps AC CTV-B
 0-100 Amps AC CTV-C
 0-200 Amps AC CTV-D
 0-600 Amps AC CTV-E

CO₂**

Telaire CO₂/Temp Monitor TEL-7001

AC Voltage Transmitters**

0 - 150 Volts AC T-CON-ACT-150
 0 - 300 Volts AC T-CON-ACT-300

DC Voltage

0 - 2.5 Volts DC CABLE-2.5-STEREO
 0 - 5 Volts DC CABLE-ADAP5
 0 - 10 Volts DC CABLE-ADAP10

Milliamps

4 - 20mA CABLE-4-20MA

Software

HOBOware Pro Software (Windows/Mac) BHW-PRO-CD

Optional Communications

HOBO U-Shuttle* U-DT-1

* Requires HOBOware Pro software, see page 52 for details. HOBOware includes USB interface cable.

** Requires input cable. See page 57 for compatibility.

† Requires sensor power adapter (AC-SENS-1) See page 57 for compatibility.

HOBOware Software is available for download via the web. Visit onsetcomp.com for details.