



U20 HOBO Water Level Logger



U20 HOBO Water Level Logger with Optic Base Station and USB Connector

HOBO U20 Water Level (& Barometric Pressure) Loggers

HOBO Water Level loggers are ideal for recording water levels in wells, streams, lakes, wetlands, and tidal areas. The completely self-contained loggers mean no cumbersome vent tubes or desiccants to maintain. The loggers can also be used in air to record barometric pressure data for accurate compensation when needed.

- HOBOWare Pro software provides comprehensive graphing, analysis, and reporting with conversion to accurate water level readings, fully compensated for barometric pressure, temperature, and water density.
- Multiple-rate sampling allows faster sampling at critical times such as when pumping starts or stops
- Use either an extra U20-001-04, or a HOBO Weather Station, for barometric compensation when needed. One barometric data set can be used with all Water Level loggers in a given area.
- Fully sealed housing insures trouble free operation.
- Now in 4 ranges: 4, 9, 30, 76 metres and Titanium models for salt water deployment.
- Durable ceramic pressure sensor for long life
- Lightning protection – no long signal wires.
- Simple wireline mounting makes it easy to suspend and secure logger in wells, rivers, lakes etc
- Optical/USB interface for reliable data offload in wet environments.
- HOBOWare Pro software and Optic Base Station and Coupler, or Waterproof Shuttle, are required to operate the Water Level Data Logger

Water Level Specifications					
Model	Range (Sea level values)	Factory Cal. Range (0 to 40°C)	Accuracy (± 0.1% FS) (Typical max error)	Resolution	Burst Pressure**
U20-001-04 & U20-001-04-Ti	0 – 4m (0 – 12 ft) 0 – 145 kPa (0 – 21 psia)	69 to 145 kPa (10 – 21 psia)	±0.3 cm (0.01 ft)	0.14 cm (0.005 ft)	310 kPa (45 psia) 18m (60 ft.) depth
U20-001-01 & U20-001-01-Ti	0 - 9m (0 – 30ft) 0 - 207 kPa (0 – 30 psia)	69 to 207 kPa (10 - 30 psia)	±0.5 cm (0.015 ft)	0.21 cm (0.007 ft)	310 kPa (45 psia) 18m (60ft) depth
U20-001-02	0 - 30m (0 – 100ft) 0 - 400 kPa (0 – 58 psia)	69 to 400 kPa (10 - 58 psia)	±1.5 cm (0.05 ft)	0.41 cm (0.013 ft)	500 kPa (72.5 psia) 40.8m (134ft) depth
U20-001-03	0 - 76m (0 - 250ft) 0 - 850 kPa (0 - 123 psia)	69 to 850 kPa (10 - 123 psia)	± 3.8 cm (0.125 ft)	0.87 cm (0.028 ft)	1200 kPa (174 psia) 112m (368ft) depth
Temperature Specifications (all models)					
Model	Range	Accuracy	Res.	Response Time	Stability (Drift)
All models	-20 to 50°C	±0.37°C @ 20°C ±0.5°C over -5 to 50°C	0.1°C @20°C 10-bit; 0.5°C over -5 to 50°C	3.5 mins. in water, typical to 90%	0.1°C per year

Order Information

Water Level Logger (0 – 4m)
Water Level Logger (0 – 4m) Titanium
Water Level Logger (0 – 9m)
Water Level Logger (0 – 9m) Titanium
Water Level Logger (0 – 30m)
Water Level Logger (0 – 76m)

Part No

U20-001-04
U20-001-04-Ti
U20-001-01
U20-001-01- Ti
U20-001-02
U20-001-03

Order Information

HOBOWare Pro Software (Windows)
HOBOWare Pro Software (MAC)
HOBO Waterproof Shuttle
Optical USB Base Station
Couple (U20 to Shuttle or Base Station)
Case (4 x U20, + Shuttle or BASE-U-4)

Part No

BHW-PC
BHW-MAC
U-DTW-1
BASE-U-4
COUPLER2-B
U20-CASE-1