

# HOBO® U20 Series Water Level Loggers



## ACCURATE, AFFORDABLE WATER LEVEL MONITORING

HOBO Water Level data loggers offer high accuracy at an affordable price, with no cumbersome vent tubes or desiccants to maintain. These data loggers are ideal for recording water levels and temperatures in wells, streams, lakes, wetlands and tidal estuaries.

## SUPPORTED MEASUREMENTS

Water Level, Barometric Pressure, Pressure (Absolute), Temperature.

## KEY ADVANTAGES

- Available in 4 depth ranges.
- No vent tube design for easy and reliable deployment.
- Available in stainless steel and titanium\* versions.
- Durable ceramic pressure sensor for reliable performance.
- Calibration certificate included.

## MINIMUM SYSTEM REQUIREMENTS



Software



Base Station



Coupler

## WATER LEVEL LOGGER KITS

Deluxe Kit includes a carrying case, two HOBO Water Level Loggers (0-4m, 0-9m, 0-30m), HOBOWare Pro software, and a HOBO Waterproof Data Shuttle with coupler. The Starter Kit includes a HOBO Water Level Logger, HOBOWare Pro Software, and an Optic USB Base Station. Available in 0-4m, 0-9m, 0-30m depths.



Deluxe Kit



Starter Kit



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## SPECIFICATIONS

Part number	U20-001-04/ U20-001-04-Ti	U20-001-01/ U20-001-01-Ti	U20-001-02/ U20-001-02-Ti	U20-001-03/ U20-001-03-Ti
<b>HOBO Water Level Specifications</b>				
<b>Range</b>	0-4 m (0-13 ft) 0-145 kPa (0-21 psia)	0-9 m (0-30 ft) 0-207 kPa (0-30 psia)	0-30 m (0-100 ft) 0-400 kPa (0-58 psia)	0-76 m (0-250 ft) 0-850 kPa (0-123 psia)
<b>Factory Calibrated Range (0° to 40°C; 32° to 104°F)</b>	69 to 145 kPa (10-21 psia)	69 to 207 kPa (10-30 psia)	69 to 400 kPa (10-58 psia)	69 to 850 kPa (10-123 psia)
<b>Water Level Accuracy (Typical Error)</b>	± 0.3 cm (0.01 ft) (± 0.075% FS)	± 0.5 cm (0.015 ft) (± 0.05% FS)	± 1.5 cm (0.05 ft) (± 0.05% FS)	± 3.8 cm (0.125 ft) (± 0.05% FS)
<b>Resolution</b>	0.14 cm (0.005 ft)	0.21 cm (0.007 ft)	0.41 cm (0.013 ft)	0.87 cm (0.028 ft)
<b>Burst Pressure</b>	310 kPa (45 psia) 18 m (60 ft) depth		500 kPa (72.5 psia) 40.8 m (134 ft) depth	1200 kPa (174 psia) 112 m (368 ft) depth
<b>Temperature Specifications (all models)</b>				
<b>Range</b>	-20° to 50°C (-4° to 122°F)			
<b>Accuracy</b>	± 0.37° @ 20°C (± 0.67° @ 68°F)    ± 0.44° from 0° to 50°C (± 0.79° from 32° to 122°F)			
<b>Resolution (10 bit)</b>	0.1° @ 20°C (0.18° @ 68°F)			
<b>Response time</b>	5 minutes (to 90% in water)			
<b>Dimensions</b>	2.46 cm diameter x 15 cm (0.97 x 5.9 in) hole in mounting bail 6.3 mm (0.25 in)			
<b>CE compliant</b>	Yes			

**Note:** HMA Geotechnical is continually improving its products and processes, information contained within this brochure is subject to change without notice

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