U20L Water Level Loggers

Accurate, affordable water level monitoring

HOBO U20L Series Water Level loggers set a new standard for price/performance for accurate water level and temperature monitoring. Competitively priced, the loggers combine 0.1% measurement accuracy, a polypropylene housing for use in both fresh and salt water, and a non-vented design for convenient and hassle-free deployment.

The U20L Series can be used in a range of environmental monitoring applications, from ecology studies to hurricane storm surge monitoring.

Supported Measurements: Water Level, Barometric Pressure, Pressure (Absolute), Temperature

Key Advantages:

- Self-contained, non-vented design enables easy deployment
- Ideal for use in both fresh and saltwater environments
- Durable ceramic pressure sensor
- Ideal for use in wells, streams, lakes, wetlands and tidal areas

Minimum System Requirements:

Part number	U20L-004	U20L-001	U20L-002
	HOBO Water Level Specifications		
Range	0-4 m (0-13 ft) 0 to 145 kPa (0 to 21 psia)	0-9 m (0-30 ft) 0 to 207 kPa (0 to 30 psia)	0-30.6 m (0-100 ft) 0 to 400 kPa (0 to 58 psia)
Factory Calibrated Range (0° to 40°C; 32° to 104°F)	69 to 145 kPa (10 to 21 psia)	69 to 207 kPa (10-30 psia)	69 to 400 kPa (10 to 58 psia)
Water Level Accuracy (Typical Error)	± 0.4 cm (0.013 ft) (± 0.1% FS)	± 1.0 cm (0.03 ft) (± 0.1% FS)	± 3.0 cm (0.1 ft) (± 0.1% FS)
Resolution	0.14 cm (0.005 ft) water	0.21 cm (0.007 ft) water	0.41 cm (0.013 ft) water
Burst Pressure	310 kPa (45 psia) 18 m (60 ft) depth	310 kPa (45 psia) 18 m (60 ft) depth	500 kPa (72.5 psia) 40.8 m (134 ft) depth
	Temperature Specifications (all models)		
Range	-20° to 50°C (-4° to 122°F)		
Accuracy	± 0.37° @ 20°C (± 0.67° @ 68°F)	± 0.44° from 0° to 50°C (± 0.79° from 32° to 122°F)	
Resolution (10 bit)	0.1° @ 20°C (0.18° @ 68°F)		
Response time	10 minutes (to 90% in water)		
Dimensions	3.18 cm diameter x 15.24 cm (1.25 x 6.0 in) hole in mounting bail 6.3 mm (0.25 in)		
CE compliant	Yes		

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