

Pressure Sensor



Add a rugged, piezoresistive subsurface pressure sensor to your Spotter Platform to monitor water level in real time.

Combine with Spotter's built-in barometer to track tidal changes, measure precise water depths, and detect storm surge.

FEATURED IN

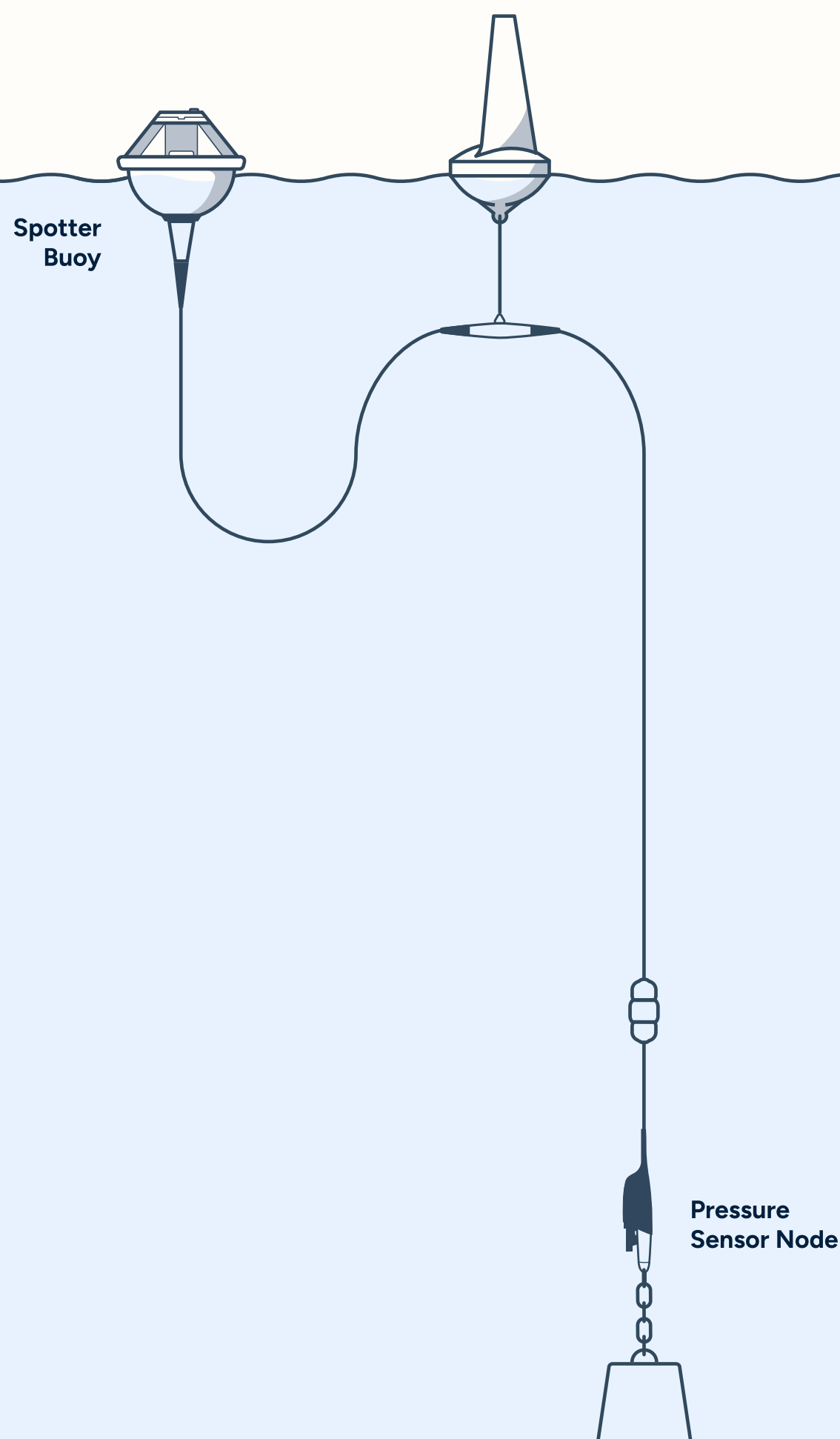
Spotter Water Level

A turnkey solution for real-time water level monitoring.

HIGH IMPACT USE CASES

- Storm Surge Monitoring
- Port Safety & Vessel Navigation
- Offshore Operations Planning

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Core Specifications

Sensor	RBRcoda ³ D: Pressure Sensor (depth)
Sensor Type	Piezoresistive pressure transducer
Accuracy	±0.05% full scale
Resolution	<0.001% full scale
Range	20–1000 m
Stability	±0.05% full scale per year (typical drift)
Response Time	<10 ms
Sampling Rates	2 Hz
Maximum Depth	50 m
Power Supply	Spotter's Li-ion battery (solar-rechargeable)
Size (Dia. x Len.)	~25 mm x ~235 mm
Weight	170 g (<0.4 lb)
Interface Standard	Bristlemouth-enabled

RBRcoda³ T.D: Temperature & Pressure (depth) is also available to combine measurements on a single device.

Deployment & Best Practices

Configuration Options

Ideal for moored coastal deployments with one Spotter or a network. Integrate up to two more devices (e.g. temp/salinity) per Smart Mooring (max 3 total)

Calibration

Recalibrate annually to offset drift (±0.05% FS/year)

Mounting

Mount with sensor head (pressure port) pointing downward to prevent debris clogging

Remote Configuration & Controls

Direct control via Spotter Dashboard, binary/ASCII commands, and Sofar remote support

Maintenance

Rinse with fresh water after retrieval

Data Access & Analysis

Spotter Dashboard

View real-time data and insights

API Access

Retrieve data programmatically with our secure API

Onboard Storage

Download data via SD card for offline analysis

Transmission

Satellite and cellular options

