

RBRconcerto³ D.alt.tilt



The RBRconcerto³ D.alt.tilt is a unique data logger dedicated to total water depth. Equipped with a 3-axis tilt sensor and a 200kHz altimeter, the logger provides complete distance-to-surface and distance-to-bottom data. The instrument also includes a depth channel capable of both continuous and intermittent bursts. The RBRconcerto³ D.alt.tilt is available in a configuration that supports wave measurements up to 16Hz.

FEATURES













The following standard configurations are available:

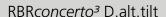
RBRconcerto³ D.alt.tilt

pressure, 3-axis tilt, altimeter

► RBRconcerto³ D.alt.tilt|wave16

adds 16Hz wave measurements

The RBRconcerto³ D.alt.tilt makes it simple to configure the optimum sampling regime for your measurements. The large data storage capacity and fast download ability facilitate long deployments with higher sampling rates. The logger is available in a standard body or extended body with additional power for prolonged use. Dataset export to Matlab, Excel, OceanDataView®, or text files makes post processing with your own algorithms effortless.





ALTITUDE, ATTITUDE, AND WAVE LOGGERS

TOTAL WATER LEVEL INSTRUMENT

Specifications

Physical

Storage: 240M readings Power: 8 AA cells

Communication: USB-C or RS-232/485 Clock drift: ±60 seconds/year

Size: 346mm x Ø63.3mm (concerto)

250mm x Ø25.4mm (solo)

Weight: ~1.4kg in air, 250g in water

Depth rating: 750m Sampling period: 1s to 24h

Wave option: wave 1 – 6Hz, 12Hz, 16Hz

Housing: Plastic

Altitude

Range: 0.5 to 10m
Initial accuracy: ±0.01m
Frequency: 2MHz
Beamwidth: ~15°

Attitude

Accuracy: ±0.1°
Tilt: 3-Axis

Depth

Range: 20 / 50 / 100 / 200 / 500 /

750 dbar

Initial accuracy: ±0.05% FS (1cm)
Resolution: 0.001% FS
Time constant: <0.01s

Typical stability: 0.1% FS per year

Options

- ▶ Wi-Fi communication
- ► Twist activation
- External data and power connector

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