

Small CTD salinity logger DST CTD

Ocean & gear monitoring

Advantages at a glance

- Easy to mount on gear
- Wide salinity range
- Shallow to deep ocean
- Antibiofouling device

Applications

- Marine biology
- Fisheries
- Subsea gear



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Easy to mount on gear

The small CTD is placed in a plastic protective housing which is easy to mount on subsea gear and moorings.

Wide salinity range, low to high conductivity

The DST CTD can capture conductivity from 2 to 68 mS/cm. Low conductivity range of 0.1 to 6 mS/cm is also available.

Depth sensors for shallow to deep ocean

Choose between depth calibration ranges 150 m, 500 m, 1200 m or 2400 m. The shallower the range, the better the depth resolution and accuracy. CT logger version is available, if depth measurements are not needed.

Minimise risk of biofouling with a copper grid device

The copper grid is recommended for use with the DST CT and CTD when the logger is being left unattended for a month or longer. The copper grid minimizes the risk of biofouling on the conductivity cells.

Technical specifications

Sensors	Conductivity (salinity), temperature, depth. CT version available, omitting depth measurements
Size (Diameter x Length)	15 mm x 51 mm. With plastic housing : 30 mm x 100 mm
Conductivity Ranges	Wide range: 2-68 mS/cm Low range: 0.1-6 mS/cm
Conductivity Resolution	2-68 mS/cm: 0.03 mS/cm 0.1-6 mS/cm: 0.003 mS/cm
Conductivity Accuracy	2-68 mS/cm: +/-1.5 mS/cm 0.1-6 mS/cm: +/- 0.15mS/cm
Temperature Resolution	0.032°C (0.058°F)
Temperature Accuracy	+/-0.1°C (0.18°F)
Temp Response Time	Time constant (63%) reached in 20 sec
Depth Ranges	150 m, 500 m, 1200 m, 2400 m
Depth Resolution	0.03% of selected range
Depth Accuracy	+/-1% of selected range
Memory Capacity	87,217 measurements per sensor
Measurement Interval	User specified in second(s), minute(s), or hour(s)
Communications	Communication Box, wireless transmission when DST sits in the box. Connection to PC: USB cable.
Battery Life	5 years*
Replaceable Battery	No

*For a sampling interval of 10 minutes.