

STAR : ODDI

DST CTD

Conductivity, Salinity, Depth and Temperature Logger

Small and cost-effective salinity logger, easy to mount. Wide salinity range.

Easy to mount on subsea gear and ocean moorings for short or long-term studies. Adding Star-Oddi's plastic protective housing offers flexible mounting options and added protection.



Key features

- Smallest CTD logger on the market
- Flexible mounting with protective housing
- Wide salinity range, low to high conductivity
- Depth sensors for shallow to deep ocean
- On/off saltwater switch available

Required accessories

PC Communication Cable,
SeaStar Windows software
Option: Polyurethane plastic
protective housing, stainless
steel housing.

Various depth/pressure ranges

Choose a calibration range up to:
100 m, 500 m, 1200 m, 2400 m

Contact Us

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TECHNICAL SPECIFICATIONS

Sensors	Conductivity (salinity), temperature, pressure (depth)
Size (Diameter x Length)	15 mm x 50 mm
Housing Material	Alumina (Ceramic)
Weight (in Air/in Water)	21g/13g
Data Resolution	12 bits
Conductivity Ranges	Wide range: 3-68 mS/cm Low range: 0.3-5 mS/cm Available on request: 13 to 63 mS/cm 3-37 mS/cm
Conductivity Resolution	Standard ranges: 3-68 mS/cm: 0.025 mS/cm 0.3-5 mS/cm: 0.002 mS/cm On request ranges: 13-63 mS/cm: 0.02 mS/cm 3-37 mS/cm: 0.01 mS/cm
Conductivity Accuracy	Standard ranges: 3-68 mS/cm: +/-1.5 mS/cm 0.3-5 mS/cm: +/-0.3 mS/cm On request ranges: 13-63 mS/cm: +/-2 mS/cm 3-37 mS/cm: +/-1.5 mS/cm
Salinity Range	Depends on conductivity and temp. range (consult with Star-Oddi)
Salinity Resolution	Standard ranges*: 3-68 mS/cm: 0.02 PSU 0.3-5 mS/cm: 0.0005 PSU On request ranges*: 13-63 mS/cm: 0.02 PSU 3-37 mS/cm: 0.01 PSU
Salinity Accuracy	Standard ranges*: 3-68 mS/cm: +/-1 PSU 0.3-5 mS/cm: +/-0.1 PSU On request ranges*: 13-63 mS/cm: +/-1.5 PSU 3-37 mS/cm: +/-1 PSU

Saltwater Switch	Available upon customer request (DST CTD logic)
Temperature Range	-1°C to +40°C (30°F to 104°F)
Temperature Resolution	0.032°C (0.058°F)
Temperature Accuracy	+/-0.1°C (0.18°F)
Temperature Response Time	Time constant (63%) reached in 20 sec.
Standard Depth Ranges	1m-100m, 5m-500m, 5m-1200m, 10m-2400m
Depth Resolution	0.03% of selected range
Depth Accuracy	+/-0.6% of selected range
Depth Response Time	Immediate
Memory Type	Non-volatile EEPROM
Memory Capacity	87,217 measurements per sensor
Memory Mangement	Custom programming
Sampling Interval	User specified in second(s) minute(s), or hour(s)
Minimum Measuring Interval	1 second
Multiple Intervals Option	Up to 7 different intervals
Data Retention	25 years
Clock	Real time clock. Accuracy +/-1 min/month.
Communications	Communication Box, wireless transmission when DST sits in the box. Connection to PC: USB cable.
Attachment Hole	0.9 mm (diameter)
Battery Life	4 years**
Replaceable Battery	No

*Based on conductivity full scale accuracy at 24°C.

**For sampling interval of 10 minutes.

Warranty: 12 months.

Specifications may change without notice.