

STAR : ODDI

DST CT

Conductivity, Salinity and Temperature Logger

Small and cost-effective conductivity logger, easy to mount.

Easy to mount on gear and moorings for short or long-term studies in underwater environments.



Key features

- Smallest conductivity logger on the market
- Flexible mounting with protective housing
- Different ranges, high or low conductivity
- High pressure tolerance

Required accessories

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

Suitable for

Oceans, rivers, lakes, sewers.
Pressure/depth user defined,
up to max 2500 m

Contact Us

Email: sales@star-oddi.com

Phone: +354 533 6060

Star-Oddi Ltd
Skeidaras 12
210 Gardabaer
Iceland

TECHNICAL SPECIFICATIONS

Sensors	Conductivity (salinity) and temperature
Size (Diameter x Length)	15mm x 50mm
Housing Material	Alumina (Ceramic)
Weight (in Air/in Water)	21g/13g
Data Resolution	12 bits
Conductivity Ranges	Choose between: 13-63 mS/cm, 13-50 mS/cm, 3-37 mS/cm or 0.3 to 5 mS/cm
Conductivity Resolution	Range 13-63 mS/cm: 0.02 mS/cm, Range 13-50 mS/cm: 0.01 mS/cm, Range 3-37 mS/cm: 0.01 mS/cm, Range 0.3-5 mS/cm: 0.002 mS/cm
Conductivity Accuracy	Range 13-63 mS/cm: +/-2 mS/cm, Range 13-50 mS/cm: +/-1.5 mS/cm, Range 3-37 mS/cm: +/-1.5 mS/cm, Range 0.3-5 mS/cm: +/-0.3 mS/cm
Salinity Range	Depends on conductivity and temp. range (consult with Star-Oddi)
Salinity Resolution	*Range 13-63 mS/cm: 0.01 PSU, Range 13-50 mS/cm: 0.01 PSU, Range 3-37 mS/cm: 0.01 PSU, Range 0.3-5 mS/cm: 0.0005 PSU
Salinity Accuracy	*Range 13-63 mS/cm: +/-1.5 PSU, Range 13-50 mS/cm: +/-1 PSU, Range 3-37 mS/cm: +/-1 PSU, Range 0.3-5 mS/cm: +/-0.1 PSU
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.
Pressure Tolerance	2500m (please provide the depth you are going to use the logger at so the applicable membrane is applied)
Memory Type	Non-volatile EEPROM

Memory Capacity	130,826 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, wirelss 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.