

STAR : ODDI

DST tilt

Pitch & Roll (3D Tilt Angle), Temperature and Depth Logger

For monitoring behavior, movements and orientation of subsea gear, lines and underwater vehicles. Adding the Star-Oddi's adjustable housing offers flexible mounting options.



Key features

- World's smallest subsea tilt logger
- Protective housing holds the logger in a fixed position
- Can be placed in any position
- Burst measurements for tilt measurements and acceleration
- 3D view of tilt angle at each data point

Required accessories

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

Various depth/pressure ranges

Choose a calibration range up
to: 50 m, 100 m, 270 m, 800 m,
1500 m or 3000 m

Contact Us

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TECHNICAL SPECIFICATIONS

Sensors	Tilt (3-D), temperature, pressure*
Size (Diameter x Length)	15mm x 46mm
Housing Material	Alumina (Ceramic)
Weight (in Air/in Water)	19g/12g
Data Resolution	12 bits for TD, 14 bits for tilt/acceleration
Tilt Range	+/-90° (180° span)
Tilt Resolution	0.05°
Tilt Accuracy	+/-3°
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	0.1m-50m, 0.1m-100m, 1m-270m, 5m-800m, 5m-1500m, 10m-3000m
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	43,598 measurements**
Memory Capacity Bytes	392,379 bytes / temperature-pressure 3 bytes, tilt 6 bytes
Sampling Interval	User specified in second(s) minute(s), or hour(s)
Minimum Measuring Interval	0.2 second
Burst Measuring Option	5 Hz (5 recordings per second)

Multiple Intervals Option	Up to 7 different intervals
Primary/Secondary Option	Temp/depth as primary, Tilt as primary.
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	5 years***
Replaceable Battery	No

* Pressure and temperature sensors optional.

** If all parameters are recorded simultaneously.

*** For sampling interval of 10 minutes; tilt, temperature and pressure recorded simultaneously.

Warranty: 12 months.

Specifications may change without notice.