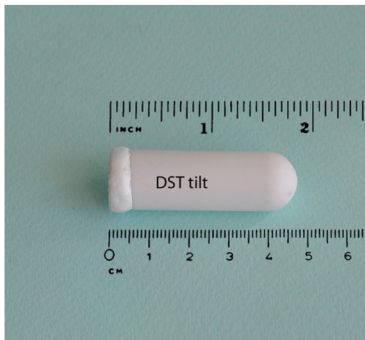


DST tilt

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

**Small and economical. High pressure survival.
Easy to mount on gear.**

For monitoring behaviour, movement and orientation of subsea gear.



Key features

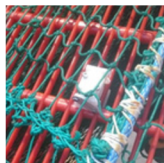
- Smallest on the market
- Horizontal or vertical placement
- Shallow to deep ocean
- 3D view of tilt angle at each data point

Required accessories

Communication Box, SeaStar Windows software.

Optional accessories

Adjustable tilt housing, Stainless steel protective housing.



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	50m, 100m, 270m, 800m, 1500m, 3000m
Depth Resolution	0.03% of selected range
Depth Accuracy	+/-1% 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
Measurement Interval	User specified in second(s) minute(s), or hour(s)
Minimum Measurement Interval	0.2 second
Burst Measuring Option	5 Hz
Multiple Intervals Option	Up to 7 different intervals
Measurement Options (Primary/Secondary)	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.