

**TWINCLINO 3000  
COMPACT  
DUAL-AXIS SUBSEA  
INCLINATION  
SENSOR  
PRODUCT SHEETS**

Twinclino 3000 Compact: Dual-axis subsea inclination sensor designed to withstand harsh operating conditions



# SELECTION & OPTION LIST

## For Twinclino 3000 Compact the following configuration items must be determined:

- **Measurement range.** For the Twinclino 3000 Compact, inclination angle ranges of up to  $\pm 80^\circ$  are possible. However, in case a smaller rotation range is required, the sensor will be set to a narrower range in order to maximize measurement accuracy.
- **Data output format.** The Twinclino sensor can be supplied with the following data output formats: 0 – 10 V, 4 – 20 mA, RS232, and CAN open.
- **Connector.** Depending on the selected sensor and data output format, various connectors are available. By default, the Twinclino 3000 is supplied with a Subconn® Micro connector.

## The following features are optional:

- **Cable assembly.** The sensor can be supplied with custom-made cabling in a variety of lengths, allowable loads, and connector types.

# TWINCLINO 3000 COMPACT DUAL-AXIS SUBSEA INCLINATION SENSOR SPECIFICATIONS

## GENERAL

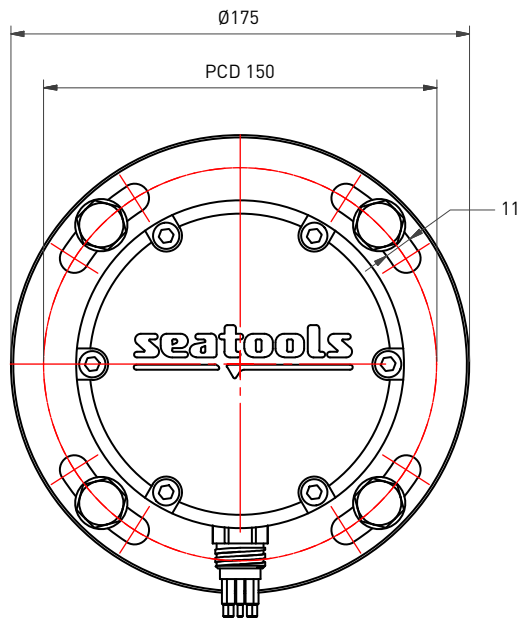
|                               | METRIC                                  | IMPERIAL                                |
|-------------------------------|---|---|
| Main dimensions               | See detailed drawings                   |   |
| Material housing              | Duplex                                  |   |
| Weight in air (approx.)       | $\pm 8$ kg                              | $\pm 17.6$ lbs                          |
| Depth rating                  | 3000 msw                                | 9842 ft                                 |
| Operational temperature range | $-20^\circ\text{C} - +50^\circ\text{C}$ | $-4^\circ\text{F} - +122^\circ\text{F}$ |

## ELECTRICAL

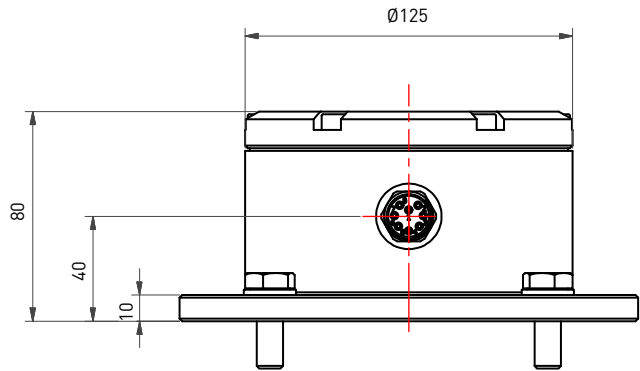
|                           |  |
|---------------------------|--|
| Supply voltage            | 10 - 30 VDC                            |
| Output signal             | 4 - 20 mA, 0 - 10V, RS232, CANopen     |
| Typical power consumption | $\leq 0.7$ W                           |
| Maximum measurement range | $\pm 80^\circ$                         |
| Absolute accuracy         | $0.10^\circ$ (at reference conditions) |
| Resolution                | $0.01^\circ$                           |

# DIMENSIONS

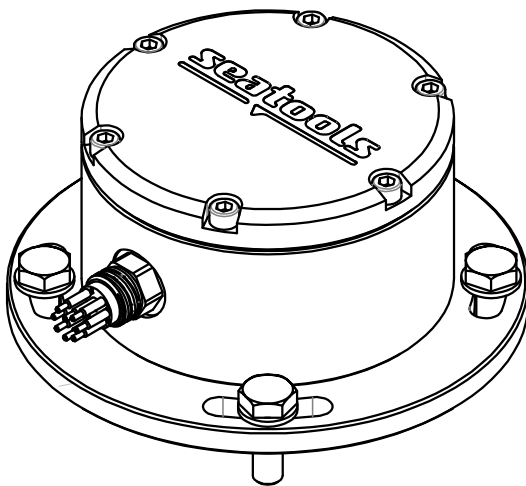
TOP VIEW



SIDE VIEW



3D VIEW



3D CAD files in STEP format are available on [www.seatools.com](http://www.seatools.com)

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