

Type 7914 Inclinometer

- ▶ 200m depth rating
- ▶ Stainless Steel construction
- ▶ Integrated 16bit microprocessor
- ▶ Easy to install
- ▶ Minimal zero point drift
- ▶ High long-term stability



Description

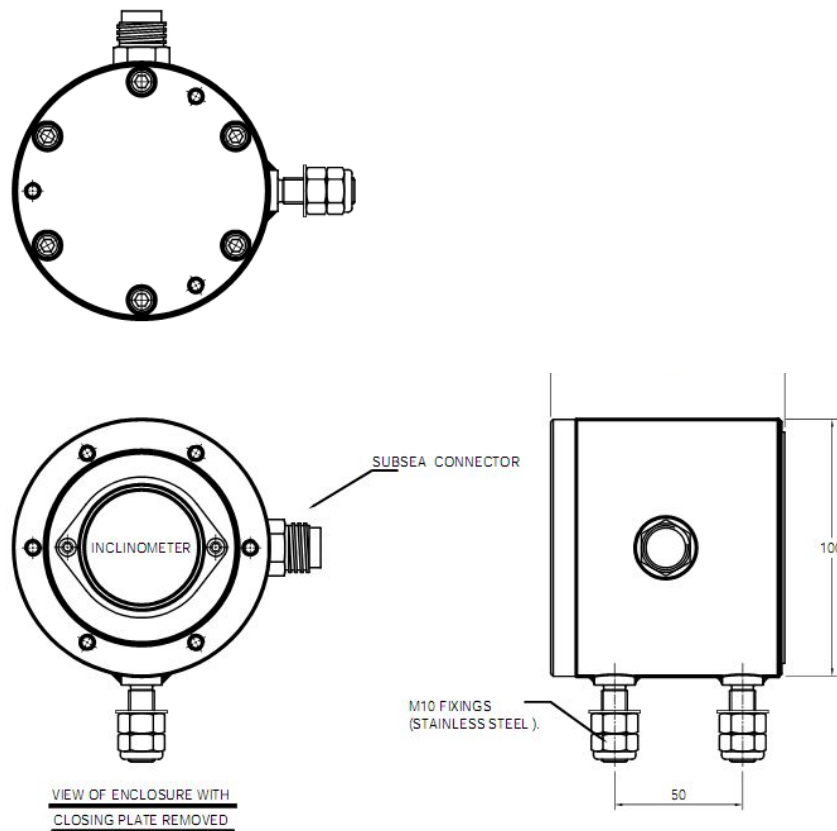
The Type 7914 inclinometer has been designed for offshore and marine applications. The housing is fabricated from 316L stainless steel with a wet mateable connector, enabling the unit to operate at depths of up to 200m. It has an RS485 bus output signal with 0.01 degree resolution, minimal linearity deviation and hysteresis free.

As there are no moving mechanical parts, The Type 7914 is shockproof. There is also no ground connection as the sensor is electrically isolated from the point of measurement. It is zero point adjustable through 360° using a clamping ring, and integrated temperature measurements rectify any temperature related measuring inaccuracies.

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Typical Specification

Measuring Range	360°
Resolution	0.01°
Dimensions	See dimensions drawing
Linearity Deviation	+/- 0.25°
Transverse Sensitivity	< +/- 0.1° at 45° tilt
Settling Time	Approx. 0.3 seconds
Supply Voltage	24Vdc
Supply Voltage On-Transition Time	<50ms
Current Drawn	Approx. 60mA
Degree of Protection	IP68
Operating Temperature	-40 to +85°C
Storage Temperature	-45 to +90°C



Due to continuous development, Strainstall UK Ltd reserve the right to change specification without notice.

Issue No. 1

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