

SUBSEA INCLINOMETER



OUTSTANDING PERFORMANCE IN ALL CONDITIONS

FEATURES:



0.02°
ROLL &
PITCH



6,000 M
DEPTH
RATING



WEIGHING
ONLY
1.5 KG

NORSUB SERIES



HIGH ACCURACY

ROLL & PITCH

NORSUB subsea inclinometers' use state-of-the-art MEMS technology and advanced sensor fusion algorithms to provide real-time roll and pitch at high frequencies. NORSUB sensors have very good performance in dynamic and irregular motions.



LOW POWER CONSUMPTION

ONLY 6 W

NORSUB inclinometers are tailor-made for subsea applications where low power consumption, high accuracy and ease of use are important. The low power consumption enables long term field deployment.



COMPACT & PORTABLE

ONLY 1.5 KG

The NORSUB series comes at a fraction of the size and weight of traditional subsea motion sensors. This gives more flexibility in subsea surveys, installation work and asset integrity applications. The low size and weight opens up new possibilities for use on smaller structures and vehicles.



AFFORDABLE

TAILORMADE FOR SUBSEA APPLICATIONS

NORSUB motion sensors are the most compact 6,000 m. subsea motion sensors available. They combine high dynamic accuracy, low power consumption and robustness at an affordable price.

NORSUB SPECIFICATIONS

PERFORMANCE

PARAMETER	SUBSEA INCLINOMETER	REMARKS
Roll & Pitch	+/- 0.02°	RMS (Dynamic)
Rotation speed range	+/- 450°/s	-
Acceleration range	+/- 4 g	-
Output Frequency	0 - 100 Hz	Adjustable output frequencies

POWER & INTERFACES

PARAMETER	SUBSEA INCLINOMETER	REMARKS
Power Consumption	6 W	-
Supply Voltage	9 - 36 V DC	24 V DC Nominal
Ports	Ethernet, RS-232, RS-485 (422), 2 x Sync	-
Protocols	NMEA, ASCII, Binary, Atlas, Gyrocompas 1, Ifremer Víctor, MDL, Simrad EM 3000, SMCA, SMCC, TSS1 ++	Wide range of protocols included, see separate list
Connector	SubConn FCR 1508F or Seacon MIN-M 26 #20	-

PHYSICAL CHARACTERISTICS

PARAMETER	SUBSEA INCLINOMETER	REMARKS
Weight (air/water)	1.5 kg / 0.9 kg	-
Diameter/Height	7.0 cm / 16.5 cm	Mounting plate 7.6 x 7.6 cm
Depth Rating	6,000 m	Titanium subsea housing
Application Examples	Installation & verticality surveys, asset integrity, tie-in structures etc.	