

**PRO-NAV WIND SPEED SENSOR**



Open sea and storm resistant!

Seawater-resistant and special reinforced measuring elements assure high reliability over a wide working life. The special coating ensures the sensors to be used on vessels, off-shore wind energy plants and further applications close to the sea. The housing and the measuring elements are made from seawaterresistant aluminium and the design was aerodynamically optimised. The heating integrated in the head of the sensor as well as the reinforced, double bearing axis makes this sensors to the most robust version of it's class.

- re-inforced measuring elements, axis and bearing for high vibration resistance
- special coating for error-free long time use
- low start-up values and wide measuring range up to 60 m/s
- wear-free data collection for high accuracy and resolution of the measuring values

**APPLICATIONS**

- ship meteorology
- wind energy plants
- robust industry applications
- cranes
- buoys and other offshore applications

Professional Line	PRO-NAV Wind speed sensor
Id-No.	00.14524.140040
Measuring range	0.6...60 m/s
Accuracy	± 0.3 m/s ≤ 10 m/s; ± 0.6 m/s ... 60 m/s
Resolution	< 0.1 m/s
Starting value	< 0.6 m/s
Output	4...20 mA = 0...60 m/s
Update rate	4 Hz
Range of application	temperatures -40...+70 °C • heated • wind speed max. gusts of 100 m/s • humidity 0...100 % r.h.
Supply voltage	24 VDC (20...28 VDC) • 18 W heating • max. 800 mA • The heating within the sensor head prevents blocking of the moving parts under most climatological conditions
Measuring elements	reinforced 3-armed cup • aluminium • special surface
Measuring principle	Hall Sensor Array, non-contact
Housing	seawater-resistant aluminium • anodised and white coated • IP 65 in upright position •
Weight	M12 cable-plug connection • stainless steel nut and lock washer
Weight	0.35 kg
Included in delivery	1 sensor • 15 m cable • with 4 pin M12 plug connector

As of: 04.03.2020