



WIND SENSORS "PRO-NAV"

Wind direction and wind speed

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 seawater-resistant aluminium and the design was aerodynamically optimised. The heating integrated in the head of the sensor as well as the re-inforced, 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

ship meteorology • wind energy plants • robust industry applications • cranes • buoys and other off-shore applications



Professional Line	Wind Sensors PRO-NAV	
Id-No.	(14523) Wind direction 00.14523.140 040	(14524) Wind speed 00.14524.140 040
Measuring elements:	reinforced wind vane • aluminium • special surface	reinforced 3-armed cup • aluminium • special surface
Measuring range:	0...360°	0.6...60 m/s
Accuracy:	± 2°	± 0.3 m/s ≤ 10 m/s · ± 0.6 m/s ...60 m/s
Resolution/ Starting value:	< 1° • < 0.5 m/s	< 0.1 m/s • < 0.6 m/s
Output:	4...20 mA = 0...360° · 4 Hz update rate	4...20 mA = 0...60 m/s · 4 Hz update rate
Weight:	0.4 kg	0.35 kg
Measuring principle:	Hall Sensor Array, non-contact	
Range of application:	temperatures -40...+70 °C · heated • wind speed max. gusts 100 m/s • humidity 0...100 % r.h.	
Supply voltage:	24 V _{DC} (20...28 V _{DC}) · 18 W heating · max. 800 mA · The heating within the sensor head prevents blocking of the moving parts under most climatological conditions.	
Housing:	seawater-resistant aluminium · anodised and white coated · IP 65 in upright position · M12 cable-plug connection · stainless steel nut and lock washer	
Included in delivery:	1 sensor • 15 m cable · with 4 pin M12 plug connector	