

# PROFESSIONAL WIND SPEED SENSOR



The titan ...

of the wind sensors meets the challenge of highest reliability over a very large measuring range. Two versions are available with regard to power supply and signal output. The design is not only aerodynamically optimised, but also effectuates extremely good deep-seaworthiness and seawater resistance, through the special surface treatment and a water trap in the sensor head.

- precision, tradition and future reliability
- large measuring range up to 75 m/s!
- very low starting value of < 0.3 m/s through the magnetic, contactless measuring principle
- extreme high seawater resistance through the high quality surface
- optimal heating concept at the 4...20 mA version

## APPLICATIONS

- Offshore
- Wind power plants
- meteorology
- wind warning plants
- power plants
- airports
- shipping

Professional Line	PROFESSIONAL Wind speed sensor
Id-No.	00.14522.100040
Measuring range	0.3...75 m/s
Accuracy	± 0.3 m/s ≤ 10 m/s; ± 1 % FS...50 m/s
Resolution	< 0.1 m/s
Starting value	< 0.3 m/s
Output	4...20 mA = 0...75 m/s
Update rate	4 Hz
Range of application	temperatures -40...+70 °C • heated • max. gusts of 100 m/s
Supply voltage	with electr. controlled shaft heating • 18W • 24 VDC (20...28 VDC) • max. 800 mA
Measuring elements	3 armed cup rotor - fail safe
Measuring principle	Magnetical Positioning Encoder System (MPES)
Dimensions	cup rotor R81 - H 235 mm
Housing	alu • special surface • black • seawater resistant • IP 65 in upright position Ø 32 mm • bore Ø 30 mm for mounting at a mast or traverse
Weight	0.35 kg
Included in delivery	cable 12m • plug-connection • 4 pin • polarity protected • ready-for-use

As of: 03.03.2020