

PROFESSIONAL WIND SPEED SENSOR



High resistance to seawater

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.

- Meets the requirements for meteorological measurements according to WMO
- 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

- Wind turbines
- Wind warning systems
- Power plants
- Airports
- Maritime

Professional Line	PROFESSIONAL
Id-No.	00.14522.110040
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

Continued on page 2

Professional Line	PROFESSIONAL
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	three-armed cup rotor, fail safe; Aluminium specially coated
Measuring principle	Magnetical Positioning Encoder System (MPES)
Dimensions	cup rotor R81 - H 235 mm
Housing	aluminium 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
Accessories (order separately)	ID 32.14567.060000 Sensor cable with plug connection, length: 12 m ID 32.14627.010000 Traverse; sensor distance: 75 cm ID 32.14567.006000 Mast adapter; diameter: 50 mm ID 32.14565.019000 Lightning rod

As of: 14.07.2024