PRODUCT OVERVIEW

PROFESSIONAL Wind Speed Sensor

APPLICATIONS

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

Highest reliability and performance for the most demanding WMO conditions

The PROFESSIONAL wind speed sensor meets the requirements for maximum reliability over a very wide measuring range. The design is not only aerodynamically optimized, but also ensures extremely good seawater resistance and seaworthiness thanks to the special surface treatment and the water traps 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 through the magnetic, contactless measuring principle
- Extreme high seawater resistance through the high quality surface
- Optimal heating concept

PRODUCT OVERVIEW

PROFESSIONAL Wind Speed Sensor

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
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, 18 W; 24 VDC (20...28 VDC); max. 800 mA
Measuring elements	Three-armed cup rotor, shatterproof; specially coated aluminum
Measuring principle	Magnetical Positioning Encoder System (MPES)
Dimensions	Cup rotor R81; H 235 mm
Housing	Aluminum specially coated, 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)	32.14567.060000 Sensor cable with plug connection; length: 12 m 32.14627.010000 Traverse; sensor distance: 75 cm 32.14567.006000 Mast adapter; diameter: 50 mm 32.14565.019000 Lightning rod

As of: 06.01.2026