

PROFESSIONAL WIND DIRECTION SENSOR



Precision and reliability

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 start-up value of < 0.3 m/s due to non-contact measuring principle
- Extremely high salt water resistance due to high-quality coating
- Optimal heating concept for use in all climate zones

APPLICATIONS

- Wind turbines
- Wind warning systems
- Airports
- Maritime

Professional Line	PROFESSIONAL
Id-No.	00.14521.110040
Measuring range	0...360°
Accuracy	± 1°
Resolution	< 1°
Starting value	< 0.3 m/s

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Professional Line	PROFESSIONAL
Output	4...20 mA = 0...360°
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	blade wind vane, dimensionally stable; Aluminium specially coated
Measuring principle	Magnetical Positioning Encoder System (MPES)
Dimensions	wind vane L 174 mm - H 310 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	0.4 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: 14.12.2024