

PROFESSIONAL Wind direction sensor



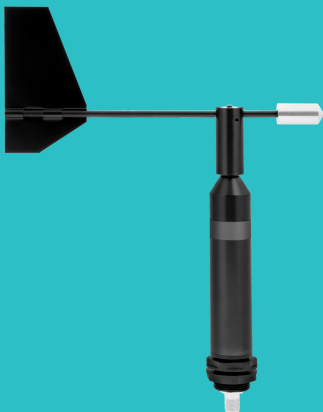
POSSIBLE APPLICATIONS

- Wind turbines
- Wind warning systems
- Airports
- Shipping

Meets the requirements for meteorological measurements according to WMO

The PROFESSIONAL wind direction sensor meets the highest WMO standards for reliability and accuracy across a very wide measurement range. Its aerodynamically optimized design, combined with a special surface treatment and water traps in the sensor head, ensures excellent seawater resistance and suitability for use on the high seas. With a low response threshold of less than 0.3 m/s due to its non-contact measurement principle and a high-quality coating for maximum saltwater resistance, it is ideally suited for use in all climate zones.

- Very low start-up value due to contactless measuring principle
- Extremely high saltwater resistance thanks to high-quality coating
- Optimal heating concept for use in all climate zones



PRODUCT OVERVIEW

PROFESSIONAL Wind direction sensor

Professional Line	PROFESSIONAL
Ident-No.	00.14521.110040
Measuring ranges	0...360°
Accuracy	±1°
Resolution	<1°
Start-up value	<0.3 m/s
Output	4...20 mA = 0...360°
Refresh rate	4 Hz
Areas of application	Temperatures -40...+70 °C (heated); max. gusts 100 m/s
Supply voltage	With electronically controlled shaft heating, 18 W; 24 VDC (20...28 VDC); max. 800 mA
Measuring elements	Wind vane, dimensionally stable; specially coated aluminum
Measuring principle	Magnetic Positioning Encor System (MPES)
Dimensions	Wind vane L 174 mm; H 310 mm
Housing	Specially coated aluminum, black, seawater-resistant; IP65 when installed vertically Ø 32 mm; mounting hole Ø 30 mm for crossbar mounting
Weight	0.4 kg
Accessories (order separately)	32.14567.060000 Sensor cable with plug connection; Length: 12 m 32.14627.010000 Crossbar; Sensor spacing: 75 cm 32.14567.006000 Mast adapter; Diameter: 50 mm 32.14565.019000 Lightning protection rod

As of June 8, 2026

