

# PROFESSIONAL Wind direction sensor



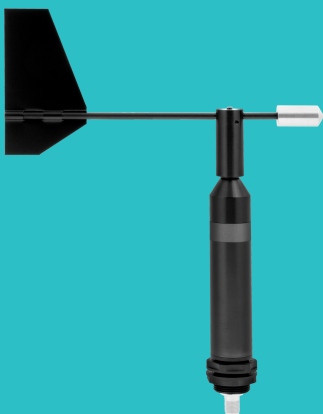
## POSSIBLE APPLICATIONS

- 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
<b>Ident-No.</b>	00.14521.110040
<b>Measuring ranges</b>	0...360°
<b>Accuracy</b>	±1°
<b>Resolution</b>	< 1°
<b>Start-up value</b>	< 0.3 m/s
<b>Output</b>	4...20 mA = 0..360°
<b>Refresh rate</b>	4 Hz
<b>Areas of application</b>	Temperatures -40...+70 °C (heated); max. gusts 100 m/s
<b>Supply voltage</b>	With electronically controlled shaft heating, 18 W; 24 VDC (20...28 VDC); max. 800 mA
<b>Measuring elements</b>	Leaf wind vane, dimensionally stable; specially coated aluminum
<b>Measuring principle</b>	Magnetic Positioning Encor System (MPES)
<b>Dimensions</b>	Wind vane L 174 mm; H 310 mm
<b>Housing</b>	Special coated aluminum, black, seawater resistant; IP 65 in vertical position of use Ø 32 mm; bore Ø 30 mm for crossbar mounting
<b>Weight</b>	0.4 kg
<b>Accessories (order separately)</b>	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 April 16, 2026