

METEOROLOGY Wind Direction Sensor



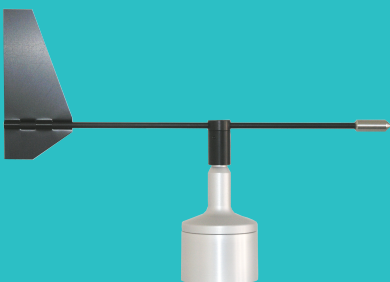
APPLICATIONS

- Wind turbines
- Wind warning systems
- Drilling rigs
- Industry

Service-friendly with replaceable wind vane

Having proven themselves thousands of times on wind turbines, METEOROLOGY sensors stand for highest quality, functionality, and reliability. The sensors are small and light, yet almost unbreakable due to their robust aluminum housing and the dimensionally stable aluminum wind vane. The wind direction sensors are quickly mounted and particularly service-friendly due to a field-replaceable wind vane.

- Low, optimized starting value and high accuracy
- Suitable for winter use and with a wide temperature application range
- Anodized, seawater resistant surface
- Dimensionally stable measuring element for long-term use
- Easy mounting due to cable plug connection and one-screw fixation



PRODUCT OVERVIEW

METEOROLOGY Wind Direction Sensor

Professional Line	METEOROLOGY
Id-No.	00.14566.400000
Measuring range	0...360°
Accuracy	1°
Resolution	1°
Starting value	0.3 m/s
Output	0...20 mA (maximum load 500 Ohm at 15 V) 4...20 mA (maximum load 500 Ohm at 15 V)
Range of application	Temperature: -30...+70 °C heated; 0...70 °C unheated Survival wind speed: 100 m/s
Supply voltage	10...30 VDC Heating voltage: 24 VDC, 600 mA (for controlled heating)
Measuring elements	Blade vane, aluminum, dimensionally stable
Dimensions	See dimensional drawing in the manual; for mounting on tube Ø 49...51 mm
Housing	Seawater resistant aluminum; anodized; IP 53
Weight	Approx. 0.4 kg
Accessories (order separately)	ID 32.14565.060000: Ready-made cable with 12-pin plug; length 12 m ID 32.14565.060020: Ready-made cable with 12-pin plug; length 15 m ID 32.14565.001010: Wind vane for wind direction sensor

As of: 08.01.2026