

PROFESSIONAL WIND DIRECTION SENSOR

24V_{DC}
POWER
SUPPLY

AI
METAL
VANE

ANALOG
OUTPUT

IP 65
PROTECTION
RATING

LONGEVITY

SEAWATER
RESISTANT

18W
HEATED



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

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