



WIND SENSORS "PROFESSIONAL"

Wind direction and Wind speed

The titan...

under the wind sensors meets the challenge of highest reliability over a very large measuring range. Thus two versions are available with regard to power supply and signal output. The design is not only aerodynamically optimized but also effectuates extremely good deep-seaworthiness, means seawater resistance, through the special surface treatment and a water trap in the sensor head.

- ▶ precision, tradition and future reliability
- ▶ large measuring range of 75 m/s!
- ▶ very low starting value of < 0.3 m/s through the magnetic, contactless measuring principle
- ▶ extreme high seawater resistance through the high-quality surface
- ▶ optimal heating concept at the 4...20 mA version

offshore • wind power plants • meteorology • wind warning systems • power plants • airports • navigation



Professional Line

Wind Sensors PROFESSIONAL

	(14521) Wind direction 00.14521.100 040	(14522) Wind speed 00.14522.100 040
Id-No.:		
Measuring elements:	blade wind vane • dimensionally stable	3-armed cup rotor • fail-safe
Meas. range/ Accuracy:	0...360° • ± 1°	0.3...75 m/s • ± 0.3 m/s ≤ 10 m/s; ± 1 % FS...50 m/s
Resolution/ Starting value:	< 1° • < 0.3 m/s	< 0.1 m/s • < 0.3 m/s
Output:	4...20 mA = 0...360°	4...20 mA = 0...75 m/s
Dimensions/ Weight:	wind vane L 174 mm • H 310 mm • 0.4 kg	cup rotor R81 • H 235 mm • 0.35 kg
Measuring principle:	Magnetical Positioning Encoder System (MPES)	
Supply voltage:	with electr. controlled shank heating • 18 W • 24 V _{DC} (20...28 V _{DC}) • max. 800 mA	
Range of application:	temperatures -40...+70 °C • heated • max. gusts of 100 m/s	
Update rate:	4 Hz	
Housing/ Meas. elements:	alu • special surfaces • black • seawater resistant • IP 65 in upright position • Ø 32 mm • bore Ø 30 mm for mounting at a mast or traverse	
Included in delivery:	cable 12 m • plug-connection • 4 pin • polarity protected • ready-made	
Accessories:	see chapter "Periphery"	
32.14567.006 000	(14567 U6) Mast adapter • Ø 50 mm	
32.14565.017 000	(14565 U17) Traverse (stepped)	
32.14567.010 000	(14567 U10) Traverse (plane)	
	Data logger e. g. SYNMET or TROPOS	