



WIND SENSORS "METEOROLOGY"

Wind direction and wind speed

Trend setting...

not only for the wind!
Concerning quality, functional scope and reliability, these sensors define the highest meteorological standard in their class. Lightweight but unbreakable, they are easy to install and almost effortlessly deliver reliable data through three analog outputs.

- ▶ low, optimized starting values
- ▶ dimensionally stable measuring parts
- ▶ winter-fit, large operating temperature range
- ▶ high accuracy and linearity
- ▶ very long-lasting, no plastics
- ▶ varieties for potentially hazardous detonation areas Zone 1

all climatic zones • classical meteorology • wind power plants • building equipment • wind warning devices • petro-chemistry • drilling platforms • solar-powered weather stations



Professional Line

Wind Sensors METEOROLOGY

Id-No.:	(14566 24V) Wind direction 00.14566.200 304	(14576 24V) Wind speed 00.14576.250 004
Measuring elements:	blade wind vane • dimensionally stable • alu. • opto-electronical meas. principle	3-armed cup rotor • fail-safe • aluminium • opto-electronical meas. principle
Measuring range/ Accuracy:	0...360° • ± 3.6°	0.3...60 m/s • ± 2 % FS
Resolution/ Starting value:	2.5° • ≤ 0.3 m/s	0.1 m/s • ≤ 0.3 m/s
Outputs:	0...20 mA • max. load 500 Ω 4...20 mA • max. load 500 Ω 3 x 0...10 V _{DC}	0/4...20 mA = 0...50 m/s • max. load 500 Ω 0...24 mA = 0...60 m/s 4...23.2 mA = 0...60 m/s 3...600 Hz = 0.3...60 m/s • 5V-level
Dimensions/ Weight:	wind vane L 365 mm • H 260 mm • 0.6 kg	cup rotor Ø 220 mm • H 170 mm • 0.4 kg
Range of application:	temperatures -30...+70 °C heated • wind speed 0...60 m/s	
Supply voltage:	10...30 V DC for internal transducer • heating 24 V DC/ 600 mA • electr. controlled	
Housing:	seawater resistant aluminium • anodized • IP 53 • Ø 74 mm • for mounting pipe Ø 50 mm	
Included in delivery:	1 plug • 12-pole • when a cable is ordered, the plug is mounted to that	
Versions (on request):	(14576 I) with inductive sensor NAMUR (14566 F1000) with ring potentiometer	
Accessories:	Indicator units e. g. (1476 Q144N) • (1477 Q144) Traverses/ Masts and Power supply units see chapter „Periphery“	
32.14565.060 000	(14565 U60) Cable • 12 m • with 12-pole plug • ready-made	
32.14565.060 020	(14565 U60b) Cable • 15 m • with 12-pole plug • ready-made	