



WIND SENSORS "BASIC"

Wind direction and wind speed

Small but fine...

and particularly economical in acquisition are the sensors of the BASIC Series.

The slender, flow-optimized external geometry ensures certain and precise measurement. For highest stability under load and safe long-term use we rely on robust materials, such as the anodised aluminium housing. The compact sensors with their simple mounting principles additionally provide a high degree of flexibility.

- ▶ wearfree data acquisition
- ▶ robust housing
- ▶ dimensionally stable blade wind vane
- ▶ fail-safe cup
- ▶ double precision bearing

building services • environmental measurements • wind power plants • stadiums • industrial meteorology • solar plants • controlling of jalousies



Standard Line

Wind Sensors BASIC

Id-No.	(14564) Wind direction 00.14564.000 000		(14574) Wind speed 00.14574.000 000	
	Measuring elements: Measuring principle: Measuring range/ Accuracy: Resolution/ Starting value: Outputs: Supply voltage: Current consumption: Strongest wind impact velocity: Dimensions: Weight:	wind vane · stable · fibre-reinforced plastics magnetic 0...360° • ± 5° 3° • 0.7 m/s 0... 5 V = 0...360° 24 V _{DC} (6...28 V _{DC}) 15 mA at 12 V • 18 mA at 28 V 60 m/s wind vane L 232 mm · H 260 mm approx. 0.95 kg	3-armed cup rotor • fail-safe synthetics magnetic 0.7...50 m/s • ± 2 % FS 0.26 m/s • 0.7 m/s 0...192 Hz = 0.7...50 m/s 24 V _{DC} (4.7...28 V _{DC}) max. 8 mA • <4 mA at 5 V 60 m/s cup rotor Ø 95 mm · H 180 mm approx. 0.90 kg	
Temperature meas. range: Housing:	-30...+70 °C • under non-icing environmental conditions sea water resistant aluminium • anodized • IP53 • for bores with Ø 30 mm at max. 10 mm material thickness • incl. 5 m fixed cable			
Accessories: 32.14567.006 000 32.14567.010 000	(14567 U6) Mast adapter · Ø 50 mm (14567 U10) Traverse Data logger e. g. TROPOS or SYNMET Traverses/ Masts and Power supply units see chapter „Periphery“			