



# WIND SENSORS "BASIC"

Wind direction and wind speed

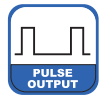
## Small but fine...

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:	wind vane · stable · fibre-reinforced plastics	3-armed cup rotor · fail-safe synthetics
Measuring principle:	magnetic	magnetic
Measuring range/ Accuracy:	0...360° • ± 5°	0.7...50 m/s • ± 2 % FS
Resolution/ Starting value:	3° • 0.7 m/s	0.26 m/s • 0.7 m/s
Outputs:	0... 5 V = 0...360°	0...192 Hz = 0.7...50 m/s
Supply voltage:	24 V <sub>DC</sub> (6...28 V <sub>DC</sub> )	24 V <sub>DC</sub> (4.7...28 V <sub>DC</sub> )
Current consumption:	15 mA at 12 V • 18 mA at 28 V	max. 8 mA • <4 mA at 5 V
Strongest wind impact velocity:	60 m/s	60 m/s
Dimensions:	wind vane L 232 mm · H 260 mm	cup rotor Ø 95 mm · H 180 mm
Weight:	approx. 0.95 kg	approx. 0.90 kg
Temperature meas. range:	-30...+70 °C • under non-icing environmental conditions	
Housing:	sea water resistant aluminium • anodized • IP53 • for bores with Ø 30 mm at max. 10 mm material thickness • incl. 5 m fixed cable	
Accessories:	(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“	