



# WIND SENSORS "INDUSTRY"

Wind direction and wind speed

**Of a special nature...**

and very economical in acquisition is this wind pair... Furthermore, the sensors impress with high accuracy, simplest mounting methods and ultimately robust, seawater-proof materials.

The optimal heating of the sensor head and the minimum power demand of the system are made possible by thermal decoupling of the housing shaft.

- ▶ precision, tradition and future reliability
- ▶ large operative measuring and temperature range
- ▶ simplest mast mounting
- ▶ very good starting values through magnetic, contactless measuring principle
- ▶ optimal heating concept

industrial applications • wind power plants • building services • wind warning devices on cranes • in all climatic zones • environmental measurements



- SYNTHETIC VANE
- SYNTHETIC CUP ROTOR
- ANALOG OUTPUT
- IP 55 PROTECTION RATING
- 18W HEATED

**Standard Line**

**Wind Sensors INDUSTRY**

	(14567) Wind direction	(14577) Wind speed
Measuring elements:	blade wind vane • dimensionally stable	3-armed cup rotor • fail-safe
Measuring range/ Accuracy:	0...360° • ± 2°	0.7...50 m/s • < ± 2 % FS
Resolution/ Starting value:	2° • < 0.7 m/s	< 0.02 m/s • < 0.7 m/s
Outputs:	0(4)...20 mA or 0...2 V • max. load 600 Ω	0(4)...20 mA = 0...50 m/s • max. load 600 Ω
Dimensions:	wind vane L 232 mm • H 327 mm	cup rotor Ø 95 mm • H 230 mm
Weight:	approx. 0.35 kg	approx. 0.25 kg
Measuring principle:	Hall Sensor Array	
Range of application:	temperatures -30...+70 °C heated • wind speed 0...60 m/s	
Supply voltage:	24 (20...28) V <sub>DC</sub> • max. 800 mA • electr. controlled heating • 18 W	
Housing:	aluminium • anodized • IP 55 • Ø 32 mm • bore Ø 30 mm for mounting at traverse	
Included in delivery:	cable with plug • 12 m • ready-made	
Varieties:	(Sensors with fixed cable or without heating on request.)	
00.14567.100 000	(14567) Wind direction sensor	with 0...20 mA output
00.14577.100 000	(14577) Wind speed sensor	with 0...20 mA output
00.14567.100 040	(14567) Wind direction sensor	with 4...20 mA output
00.14577.100 040	(14577) Wind speed sensor	with 4...20 mA output
00.14567.100 180	(14567) Wind direction sensor	0...10 V <sub>DC</sub> -output = 0...360 °C
00.14577.100 180	(14577) Wind speed sensor	0...10 V <sub>DC</sub> -output = 0...50 m/s