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_{DC} · 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_{DC}-output = 0...360°
00.14577.100 180	**(14577)**	**Wind speed sensor**	0...10 V_{DC}-output = 0...50 m/s