WIND SENSORS "PROFESSIONAL-IX 3.0"

Wind direction and wind speed

Safe operation at ice and snow...

of the sensors PROFESSIONAL-IX 3.0 with 125-watt heating unit! Consequently, these high-quality wind sensors are particularly appropriate for use at extremely low temperatures. The double bearings as well as special alloys enable the large measurement and temperature operating ranges. The contactless measuring principle ensures wear-free, precise and thus certain data acquisition. The simple mounting methods provide a high degree of flexibility.

- large measuring and temperature operating range, all-season
- very good starting values due to its contactless measuring principle
- optimum heating concept
- extremely high robustness and longevity

cold-climate standard • polar stations • wind power plants • cable railways • environmental measurements in all climatic zones • wind warning devices on cranes

Professional Line	**Wind Sensors PROFESSIONAL-IX 3.0**	
	(14601) Wind direction	**(14602) Wind speed**
Measuring element:	wind vane • inherently stable aluminium • special surface	3-armed cup • aluminium • special surface
Measuring range/ Accuracy:	0...360° • ± 1°	0.4...50 m/s • ± 2 % FS at 0.4...50 m/s
Resolution/ Starting value:	‹ 1° • 0.4 m/s	‹ 0.1 m/s • 0.4 m/s
Dimensions:	wind vane L 195 mm · H 295 mm	cup rotor Ø 218 mm · H 241 mm
Weight:	approx. 0.8 kg	approx. 0.8 kg
Measuring principle:	contact-free • Hall Sensor Array	
Range of application:	temperatures -40...+70 °C maximum heated • wind speed 0...60 m/s • humidity 0...100 % r. h.	
Supply voltage:	sensor 24 (20...28) V_{DC} • heating 24 V_{DC} · 125 W	
Housing:	seawater resistant aluminium · especially anodized · IP 65 in upright position	

Varieties:			Output:
00.14601.300 000	**(14601)**	**Wind direction sensor**	0...20 mA = 0...360°
00.14601.300 004	**(14601)**	**Wind direction sensor**	4...20 mA = 0...360°
00.14602.300 000	**(14602)**	**Wind speed sensor**	0...20 mA = 0...50 m/s
00.14602.300 004	**(14602)**	**Wind speed sensor**	4...20 mA = 0...50 m/s
00.14602.300 007	**(14602)**	**Wind speed sensor**	Frequency · 0...500 Hz = 0...50 m/s

Accessories:

32.14601.060 000 **15 m cable** onesided with connector
32.14567.006 000 **Mast adapter** · Ø 50 mm
32.14567.010 000 **Traverse**
Data logger e. g. TROPOS or SYNMET

(Please note that the controlling of the heating has to be carried out externally!)

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