



COMBINED WIND SENSOR "WENTO-MET"

Wind direction and wind speed



Extreme weather conditions...

are no problem at all for this extremely robustly designed sensor! The high-quality construction with integrated, electronically controlled heating allows reliable wind measurement even under extreme weather conditions. Special alloy and double high-performance bearings provide for supreme ruggedness and long service life.

- ▶ very broad measuring range
- ▶ simple and rapid pipe mounting, connection with only one cable
- ▶ serial interface for direct connection to PC technology
- ▶ contactless data acquisition

industrial applications • wind power plants • building equipment • environmental measurements in all climatic zones

Professional Line	(14516) Combined Wind Sensor WENTO-MET	Ident-Nr. 00.14516.010 001									
Parameters:	<table border="1"> <thead> <tr> <th>Measuring range:</th> <th>Accuracy:</th> <th>Resolution:</th> </tr> </thead> <tbody> <tr> <td>0...360°</td> <td>± 1°</td> <td>< 1°</td> </tr> <tr> <td>0.3...75 m/s</td> <td>± 2 % FS at 0.3...50 m/s</td> <td>< 0.1 m/s</td> </tr> </tbody> </table>	Measuring range:	Accuracy:	Resolution:	0...360°	± 1°	< 1°	0.3...75 m/s	± 2 % FS at 0.3...50 m/s	< 0.1 m/s	
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0...360°	± 1°	< 1°									
0.3...75 m/s	± 2 % FS at 0.3...50 m/s	< 0.1 m/s									
Range of application:	temperature -30...+70 °C heated • wind speed 0...80 m/s • 0...100 % r. h.										
Protocols:	NMEA 0183 • WIMWV										
Interface:	serial RS 422/ Talker Baud rate 4800 • 1 Hz (at measuring cycle 10 Hz) • 8 N 1										
Supply voltage:	sensor 11...28 V _{DC} / 50 mA at 24 V _{DC} , max. 120 mA • heater electr. controlled 24 V _{DC} /2x9 W										
Housing:	saltwater-proof aluminium especially-anodized, protective paint (RAL 9006) • IP 65 in upright position										
Dimensions/ Weight:	H 440 mm • B max. 475 mm • mast mounting: Ø 51 mm pipe • 2.3 kg										
Accessories:	Indicator e. g. (14742) METEO-LCD • Data logger e. g. SYNMET • Meteo LAN Communicator (95666) Traverses/ masts/ software/ power supply units see "Periphery"										
32.16420.066 100	(1642 U66) Cable 10 m • with 12-pole bayonet plug • ready-made										