



STATIC WIND SENSOR "PREOS"

Wind direction and wind speed

The hottest candidate...

under the static sensors specially designed for extreme environmental conditions (Cold Climate).

The sensor is without movable measuring elements and for very high wind speeds up to 65 m/s. This extreme robust, compact sensor has a high-quality, pollutant-resistant housing made of anodized aluminium.

- without movable measuring elements
- standard RS 422 interface with ESD protection
- ASCII data protocol according to NMEA 0183
- analog output 4...20 mA for wind speed and wind direction
- power supply 18...32 VDC with integrated overvoltage protection
- simple, space-saving assembly

under icing conditions • various offshore applications • wind turbines • railway line monitoring • traffic meteorology • chemical and industrial facilities • power plants, sewage plants and landfills



integrated sensor head heating and heating ring in the base
prevent growing of ice and snow at the sensor



Professional Line	(1644)	Static Wind Sensor PREOS	Id-No. 00.16440.014 002
Parameters:		Meas. range:	Accuracy:
Wind direction:		0...360°	± 3°
Wind speed:		0.1...65 m/s	± 0.5 m/s ± 5 % of the meas. value
Resolution:			1°
Range of application:		temperature -40...+70 °C heated (Cold Climate applications) • survival speed 0...100 m/s • 0...100 % r. h.	
Protocols:		NMEA 0183 • WIMWV	
Interface:		serial · RS 422/ talker • baud rate 4800 • 1 Hz (meas. cycle of 4 Hz) • 8 N 1	
Analog output:		4...20 mA for wind speed and wind direction	
Supply voltage:		18...32 VDC · max. 2.5 A • heating: 24 VDC/ 70 W (max. 3 A) · electr. controlled	
Housing:		aluminium · anodized · IP 66	
Dimensions/ Weight:		H 298 mm · Ø 108 mm · mast adapter Ø 50 mm for mounting on standard pipe · 1.5 kg	
Options:*			
36.09340.000 000		Visualisation and evaluation software MeteoWare-CS3	
00.95800.010 000		Data logger met[LOG]	
00.14742.401 002		Display unit METEO-LCD/IND	

*) not included in scope of delivery