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

COLD CLIMATE

4 ... 20mA ANALOG OUTPUT

NO MOVING PARTS

70W HEATED

Al METAL MATERIAL

NMEA DATA PROTOCOL

Professional Line	(1644)	Static Wind Sensor PREOS	Id-No. 00.16440.014 002

Parameters:	Meas. range:	Accuracy:	Resolution:
Wind direction:	0...360°	± 3°	1°
Wind speed:	0.1...65 m/s	± 0.5 m/s ± 5 % of the meas. value	0.1 m/s

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
Connectable to*:	Indicators e.g. METEO-LCD • Lambrecht data loggers met[LOG], Ser[LOG] and SYNMET-LOG
Accessories*:	Visualisation and evaluation software „MeteoWare CS3“ Mast and power supply unit

*) not included in scope of delivery