PRODUCT-VIEW

LAMBRECHT meteo

PREOS STATIC WIND SENSOR

NMEA DATA PROTOCOL

Al METAL MATERIAL

70W HEATED

NO MOVING PARTS

4 ... 20mA ANALOG OUTPUT

COLD CLIMATE

The hottest canidate...

under the static sensors, specially designed for extreme environmental conditions (cold-climate). The sensor has no movable measuring elements and is for use in very high wind speeds of up to 65 m/s. This extremely robust and compact sensor has a high-quality, pollutant-resistant housing made of anodised aluminium.

- without movable measuring elements · measures wind direction and wind speed
- standard RS 422 interface with ESD protection
- ASCII data protocol according to NMEA 0183
- analogue output 4...20 mA for wind speed and wind direction
- power supply 18...32 VDC with integrated overvoltage protection
- integrated sensor head heating and heating ring in the base prevent build up of ice and snow at the sensor
- simple, space-saving assembly

APPLICATIONS

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

Professional Line	PREOS Static wind sensor
Id-No.	00.16440.014002
Meas. range wind direction	0...360°
Meas. range wind speed	0.1...65 m/s
Accuracy wind direction	± 3°
Accuracy wind speed	± 0.5 m/s ± 5% of the meas. value
Resolution wind direction	1°
Resolution wind speed	0.1 m/s
Output	4...20 mA for wind speed and wind direction
Protocols	NMEA 0183 • WIMWV
Range of application	temperature -40...+70 °C heated (incl. Cold Climate applications) • wind speed 0...100 m/s • rel. humidity: 0...100 % r. h.
Strongest wind impact velocity	100 m/s
Supply voltage	18...32 VDC • max. 2.5 A • heating: 24 VDC/ 70 W (max. 3 A) • electr. controlled
Dimensions	H 298 mm • Ø 108 mm • mast adapter Ø 50 mm for mounting on standard pipe
Housing	aluminium • anodised • IP 66
Weight	1.5 kg
Options (order separately)	connectable to: Indicator unit e.g. (14742) METEO-LCD • Data logger e.g. met[LOG], Ser[LOG] and SYNMET-LOG
Accessories (order separately)	Mast and power supply unit • Visualisation and evaluation software

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