



STATIC WIND SENSOR "EOLOS-MET T"

Wind direction · Wind speed · Air temperature

Compact, robust, reliable...

three characteristics that describe the ingenious static construction of this sensor. Without any moving measuring parts it is extremely resistant to wear. Wind movement is registered highly responsive, competently and very accurate by means of a thermal measuring principle. The integrated temperature sensor determines the air temperature, which will also be send via the serial output.

- ▶ very high wind velocities up to 85 m/s measurable!
- ▶ without moving measuring elements
- ▶ 3 parameters measurable
- ▶ lamella shelter for accurate measurements of the temperature sensor
- ▶ optimal heatable
- ▶ easy installation, easy to maintain

land applications under any conditions · wind turbines · railway line monitoring · traffic meteorology · chemical and industrial facilities · power plants, sewage plants and landfills



Professional Line	(1643)	Static Wind Sensor EOLOS-MET TH	Id-No. 00.16430.410 002
Parameters:		Meas. range:	Accuracy:
Wind direction:		0...360°	± 3°
Wind speed:		0.1...85 m/s	± 0.5 m/s ± 5 % of the meas. value
Air temperature:		-40...+70 °C	± 0.8 °C (v > 2 m/s)
Resolution:			1°
Range of application:		temperature -40...+70 °C heated · wind speed 0...100 m/s · 0...100 % r. h.	
Protocols:		NMEA 0183 · WIMWV · WIMTA	
Interface:		serial · RS 422/ talker · baud rate 4800 · 1 Hz (meas. cycle of 10 Hz) · 8 N 1	
Supply voltage:		24 V _{DC} (-22 %/ +34 %) · max. 2.5 A · heating: 24 V _{DC} / 70 W (max. 3 A) · electr. controlled	
Housing:		aluminium · anodized · IP 65	
Dimensions/ Weight:		H 382 mm · Ø 120 mm · mast adapter Ø 50 mm for mounting on standard pipe · 2.5 kg	
Version:	(1643)	Static Wind Sensor EOLOS-MET T unheated	Id-No. 00.16430.400 002
Accessories:		Range of application: -30...+70 °C · under non-icing conditions	
32.16420.066 100		(1642 U66) Cable 10 m · 12-pole bayonet plug · ready-made	
Options:		Indicator unit e. g. (14742) METEO-LCD · Data logger e. g. (95665) SYNMET-LOG	
		Mast and power supply unit · (9339) Visualization software "SSDL"	
		(9337) Visualization and evaluation software "MeteoWare-CS-SSDL"	