PRODUCT OVERVIEW

EOLOS-IND Static weather sensor

POSSIBLE APPLICATIONS

- Wind turbines
- Traffic meteorology
- Weather services and environmental agencies
- Chemical and industrial plants
- Power plants
- Wastewater treatment plants and landfills

Wind speeds of up to 85 m/s measurable

The ideal weather sensor for use in a wide range of applications. The sensors integrated in the weather module measure environmental parameters with high precision. The compact design of the static measuring system and the space-saving, robust housing make the sensor extremely durable.

- Very high wind speeds of up to 85 m/s measurable
- No moving measuring elements
- Five weather parameters measurable: two wind parameters, air temperature, relative humidity, air pressure, plus dew point
- Lamella protective shelter for accurate measurements by the temperature and humidity sensor
- Optimally heatable for all climate zones
- Easy installation, very service-friendly

PRODUCT OVERVIEW

EOLOS-IND Static weather sensor

Professional Line	EOLOS-IND
Ident-No.	Static weather sensor EOLOS-IND H heated: ID no. 00.16430.010002
Measuring range wind direction	0...360°
Measuring range wind speed	0.1...85 m/s
Air temperature measuring range	-40...+70 °C
Measuring range rel. humidity	0...100% RH
Air pressure measuring range	600...1100 hPa
Wind direction accuracy	± 3°
Wind speed accuracy	± 0.5 m/s ± 5% of the measured value
Air temperature accuracy	± 0.8 °C (v > 2 m/s)
Relative humidity accuracy	± 3% (10...90%); ± 4% (0...100%)
Air pressure accuracy	± 2 hPa (-30...+70 °C)
Wind direction resolution	1°
Wind speed resolution	0.1 m/s
Air temperature resolution	0.1 °C
Resolution rel. humidity	0.5% RH
Air pressure resolution	0.1 hPa
Protocols	NMEA 0183; WIMWV; WIMHU; WIMMB; WIMTA
Interface	Serial; RS-422/Talker; baud rate 4800; 1 Hz (measurement cycle of 10 Hz); 8 N 1
Areas of application	Temperatures -40...+70 °C heated; speeds 0...100 m/s; 0...100 % RH.
Supply voltage	24 VDC (-22%/+34%); max. 2.5 A; heater: 24 VDC/70 W (max. 3 A); electronically controlled
Dimensions	H 382 mm; Ø 120 mm; mast adapter Ø 50 mm for mounting on standpipe
Housing	Aluminum, anodized; IP66
Weight	Approx. 2.5 kg
Options (order separately)	Display devices, e.g., (14742) METEO-LCD; data logger, e.g., met[LOG]; mast and power supply; visualization and evaluation software MeteoWare-CS3
Accessories (order separately)	32.16420.066100 Cable 10 m; with 12-pin bayonet plug, pre-assembled

As of October 14, 2026