

# 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

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

As of May 27, 2026