

EOLOS-NAV2 STATIC WEATHER SENSOR



The key to safe navigation on the open sea

The ideal weather sensor for ships, specifically designed for offshore use, is the EOLOS-NAV2. Its compact and space-saving housing design, along with a special anodized layer and protective coating, make it extremely seawater-resistant, durable, and reliable. With the EOLOS-NAV2, you can easily measure five parameters plus one additional value simultaneously: wind direction, wind speed, air temperature, humidity, air pressure, and the calculated dew point temperature.

- With independent, integrated sensors for high accuracies for each individual parameter
- Very high wind velocities up to 85 m/s measurable!
- Very easy to maintain
- No moving measuring elements, no wear
- Integrated heating system for non-icing operation all year round

APPLICATIONS

- Maritime
- Coastal monitoring
- Offshore wind turbines
- Industrial and port facilities
- Drilling rigs

Professional Line	EOLOS-NAV2
Id-No.	00.16432.210002
Meas. range wind direction	0...360°
Meas. range wind speed	0.1...85 m/s
Meas. range air temperature	-40...+70 °C
Meas. range rel. humidity	0...100 % r. h.
Meas. range barometric pressure	600...1100 hPa
Accuracy wind direction	± 3°
Accuracy wind speed	± 0.5 m/s ± 5 % of the meas. value
Accuracy air temperature	± 0.8 °C (v > 2 m/s)
Accuracy rel. humidity	± 3 % (10...90 %); ± 4 % (0...100 %)
Accuracy barometric pressure	± 2 hPa (-40...+85 °C); ± 0.5 hPa at 25 °C

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Professional Line	EOLOS-NAV2
Resolution wind direction	1°
Resolution wind speed	0.1 m/s
Resolution air temperature	0.1 °C
Resolution rel. humidity	0.5 % r. h.
Resolution barometric pressure	0.1 hPa
Protocols	NMEA 0183; WIMWV; WIMHU; WIMMB; WIMTA
Interface	Serial; RS 422/ talker; baud rate 4800; 1 Hz (meas. cycle of 4 Hz); 8N1
Update rate	4 Hz
Range of application	Temperature: -40...+70 °C; wind speed: 0...100 m/s; humidity: 0...100 % r.h.
Supply voltage	18...32 V DC; max. 2.5 A; heating: 24 V DC/ 70 W (max. 3 A); electronically controlled
Dimensions	H 388 mm; Ø 120 mm; mast adapter Ø 50 mm for mounting on standard pipe
Housing	Aluminum; anodized; IP 66
Weight	Approx. 2.5 kg
Options (order separately)	Indicator unit METEO-LCD/NAV; data logger Ser[LOG]-NAV
Accessories (order separately)	32.16420.066100 Cable 10 m; 12-pole bayonet plug; ready-made

As of: 14.03.2025