

## EOLOS-NAV2 STATIC WEATHER SENSOR



The perfect ship weather sensor

and specialized for offshore operation is the static weather sensor EOLOS-NAV2. The compact, space saving construction of the housing, the special anodized coating as well as the protective paint finish make it extremely resistant to seawater as well as durable and reliable. With EOLOS-NAV2 you can easily measure 5+1 parameters in one and at the same time: wind direction, wind speed, air temperature, humidity, air pressure + dew point temperature (calculated value).

- 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) • electr. controlled
Dimensions	H 388 mm • Ø 120 mm • mast adapter Ø 50 mm for mounting on standard pipe
Housing	aluminium • anodised • IP 66
Weight	approx. 2.5 kg
Options (order separately)	Indicator unit e.g. (14742) METEO-LCD/NAV • Data logger e.g. SYNMET-NAV or met[LOG] • Mast and power supply unit • Visualisation and evaluation software MeteoWare-CS3
Accessories (order separately)	32.16420.066100 Cable 10 m • 12-pole bayonet plug • ready-made

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