



# STATIC WEATHER SENSOR "EOLOS-NAV2"

Wind · Air temperature · Rel. humidity · Barometric pressure  
5 parameters plus dew point

## 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 sea-water as well as durable and reliable.

- 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 parts
- versions with or without heating

on board of all types of ships (ship meteorology) • Coastal Surveillance  
• offshore wind turbines • industrial and port facilities • rigs • extreme, aggressive environmental conditions



Professional Line	(16432)	Static Weather Sensor EOLOS-NAV2	Id-No. 00.16432.210 002
<b>Parameters:</b>		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)
Relative humidity:		0...100 % r. h.	± 3 % (10...90 %) r. h. ± 4 % (0...100 %) r. h.
Barometric pressure:		600...1100 hPa	± 2 hPa (-40...+85 °C) ± 0.5 hPa at 25 °C
Resolution:			1°
Range of application:		temperature -40...+70 °C heated • wind speed 0...100 m/s • 0...100 % r. h.	
Protocols:		NMEA 0183 • WIMWV • WIMHU • WIMMB • WIMTA	
Interface:		serial • RS 422/ talker • baud rate 4800 • 1 Hz (meas. cycle of 4 Hz) • 8 N 1	
Supply voltage:		18...32 V DC • max. 2.5 A • heating: 24 V DC/ 70 W (max. 3 A) • electr. controlled	
Housing:		aluminium • anodized • IP 66	
Dimensions/ Weight:		H 388 mm • Ø 120 mm • mast adapter Ø 50 mm for mounting on standard pipe • approx. 2.5 kg	
<b>Version:</b>	<b>(16432)</b>	<b>Static Weather Sensor EOLOS-NAV2 unheated</b>	
<b>Accessory:</b>		Range of application: -30...+70 °C • under non-icing conditions	
<b>32.16420.066 100</b>		Cable 10 m • 12-pole bayonet plug • ready-made	
<b>Options:</b>		Visualisation and evaluation software MeteoWare-CS3	
<b>36.09340.000 000</b>		Data logger met[LOG]	
<b>00.95800.010 000</b>		Display unit METEO-LCD/NAV	
<b>00.14742.301 002</b>			