

# 24513 COMBINED NAVAL WIND SENSOR

-  LONGEVITY
-  NAVAL
-  NMEA  
DATA  
PROTOCOL
-  ROBUST
-  RS485  
DIGITAL  
OUTPUT
-  SEAWATER  
RESISTANT
-  METAL  
MATERIAL
-  35W  
HEATED
-  24V<sub>dc</sub>  
POWER  
SUPPLY



Modern electronics...

paired with robust mechanics. Mechanical abrasion is reduced to a minimum. The measured wind values are serially supplied at every second as a NMEA protocol. Under extreme weather conditions at sea, as well as on land, this top sensor is the first choice!

- seawater resistant housing
- IP 65
- low starting values
- high measuring accuracy and linearity across the whole measuring range
- NMEA 0183
- high quality and durable construction

## APPLICATIONS

- professional marine meteorology
- coastal surveillance
- off shore wind power plants
- drilling platforms
- buoys
- aggressive environmental conditions

Professional Line	24513 Combined naval wind sensor
Id-No.	00.24513.205010
Meas. range wind direction	0...360°
Meas. range wind speed	0.4...60 m/s
Accuracy wind direction	± 2.5°
Accuracy wind speed	± 2 % FS
Resolution wind direction	< 1°
Resolution wind speed	0.1 m/s

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Professional Line	24513 Combined naval wind sensor
Starting value	wind direction: < 0.8 m/s related to a deflection of the wind vane of 90° • wind speed: ≤ 0.4 m/s
Protocols	NMEA 0183 • WIMWV
Interface	serial RS 485/ Talker baud rate 4800 • 1 Hz (at measuring cycle 4 Hz) • 8 N 1
Range of application	temperatures -35...+70 °C heated • wind speed 0...60 m/s
Supply voltage	24 VDC/ 50 mA • heating 24 VDC/ 1.5 A/ max. 35 VA • electr. controlled
Measuring elements	wind direction: wedge-shaped wind vane • wind speed: 3-armed cup rotor
Dimensions	cup rotor Ø 280 mm • H 520 mm • for mounting pipe Ø 50 mm
Housing	seawater resistant aluminium
Weight	2.7 kg
Options (order separately)	Data logger met[LOG] • Visualisation and evaluation software MeteoWare-CS3 • Display unit METEO-LCD/NAV
Accessories (order separately)	32.16420.066100 Sensorkabel, 10 m • 12-pole bayonet plug

As of: 14.01.2020