



# COMBINED NAVAL WIND SENSOR

Wind direction and wind speed



## Modern electronic...

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 long-living construction

professional marine meteorology • coastal surveillance • offshore wind power plants • drilling platforms • buoys • aggressive environmental conditions

Professional Naval-Line	(24513-NMEA) Combined Naval Wind Sensor	Id-No. 00.24513.205 010
Measuring element:	<b>Wind direction</b> wedge-shaped wind vane	<b>Wind speed</b> 3-armed cup rotor
Measuring range:	0...360°	0.4...60 m/s
Accuracy:	± 2.5°	± 2 % FS
Resolution:	< 1°	0.1 m/s
Starting value:	< 0.8 m/s related to a deflection of the wind vane of 90°	≤ 0.4 m/s
Range of application:	temperatures -35...+70 °C heated • wind speed 0...60 m/s	
Protocol:	NMEA 0183 • WIMWV	
Interface:	Serial RS 485/ Talker Baudrate 4800 · 1 Hz (at measuring cycle 4 Hz) · 8 N1	
Supply voltage:	24 VDC/ 50 mA · heating 24 VDC/ 1.5 A/ max. 35 VA • electr. controlled	
Housing:	seawater resistant aluminium	
Dimensions/ Weight:	cup rotor Ø 280 mm · H 520 mm · for mounting pipe Ø 50 mm · 2.7 kg	
Accessory:	(1642 U66) <b>Sensor cable</b> · 10 m (other lengths possible) · with 12-pole bayonet plug	
32.16420.066 100	<b>Visualisation and evaluation software</b> (9337) resp. (9339)	
Options:	<b>Meteo LAN Communicator MLC</b> for integration into the house-internal LAN	
00.14742.300 002	(14742)	<b>METEO-LCD-NAV</b> Display unit