

# COMBINED NAVAL WIND SENSOR

Wind direction and Wind speed



**Storm tested and waterproof...** is this constructive masterpiece! Daily exposed to extreme conditions, the sensor feels at home on the seven seas. Ashore the sensor equally proved to be a durable measuring instrument. Spraying water traps against splash water and the electric shaft-heating provide for optimal employment and measuring conditions.

- compact, extremely robust and massive all-metal construction
- seawater resistant with three coats of paint
- low starting values
- high measuring accuracy and linearity across the whole measuring range
- plug-in connector acc. to MIL standard
- meets VG-and IMO-standards and the requirements of the German Lloyd
- NATO-Supply number

the training ship **"Gorch Fock"** trusts LAMBRECHT's (1455)! • professional marine meteorology • coastal surveillance • offshore wind power plants • drilling platforms • buoys • aggressive environmental conditions



**Professional Naval-Line (1455 HGN18) Combined Naval Wind Sensor Id-No. 00.14550.120 400**

	<b>Wind direction</b>	<b>Wind speed</b>
Measuring element:	wedge-shaped wind vane with precision ring potentiometer	3-armed cup rotor with precision DC-measuring generator
Measuring range:	0...360°	1...120 kn (60 m/s)
Accuracy:	± 1%	± 2% FS
Resolution:	0.1°	0.1 m/s
Starting value:	0.6 m/s	0.6 m/s
Range of application:	temperatures -35..+70°C heated • wind speed 0...60 m/s	
Output:	5.2 mA at 120 kn • $R_a = 4255 \Omega$	
Supply voltage:	heating 24 V <sub>DC</sub> / 35 VA • bimetal controlled	
Housing:	brass • IP 53 • RAL 7000 (grey) • other colors on request • measuring elements made of aluminium • anodized	
Dimensions/ Weight:	cup rotor Ø 320 mm • H 460 mm • for mounting pipe Ø 75 mm • 4 kg	
Included in delivery:	1 plug • 10-pole • MIL-standard • when a cable is ordered, the plug is mounted to that	
Accessories:	<b>Indicator units</b> e. g. (1476 Q144SBN18) • (1477 Q144SB) • (14763 Q144SBN18) <a href="#">see page 88</a> .	
<b>32.14550.065 040</b>	<b>(1455 U65d) Cable</b> • 4 m • with 10-pole plug • MIL-standard • ready-made	

