

# INDICATORS

## Wind indicator units for naval application



(illustration 2)



(illustration 1)



(illustration 3)

Example illustration – others on request.

### In white and black...

moves the pointer on the ergonomically well readable scale. With reference to the ship's momentary values for wind direction are clearly and unambiguously interpretable (illustration 1).

Green-red segments for port and starboard support this function. The indicator (illustration 3) is a complete solution.

As indicator station for wind parameters two indicators each (e.g. illustration 1+2) can be combined into one panel (see page 90).

- very reliable and long-term stable indicators
- white, dimmable scale illumination
- clearly interpretable and very well readable analogous scales
- standard housing for installation
- robust meters and scales
- high linearity

civil ships • container ships • marine

### Professional Naval-Line

### Wind Indicators for ships

code Id-No.	Wind direction WD (1476 Q144SBN18) 00.14763.300 023	Wind speed WS (1477 Q144SB) 00.14773.300 004	WD and WS (14763 Q144SBN18) 00.14763.311 442
Measuring element:	three-coil system • „electric shaft“	moving-coil meas. system	WD: „electric shaft“ • WS: digital voltmeter
Measuring range:	0...360° • analog	0...120 kn • 0...25 kn • analog	WD: 0...360° • analog WS: 0...120 kn • digital
Accuracy:	± 5°	± 2% FS	WD: ± 5° WS: ± 2% FS
Resolution/ Div. of scale:	≤ 10°/ 10°	≤ 1 kn/ 1 kn • ≤ 5 kn/ 5 kn	WD: ≤ 10°/ 10° • analog WS: 0.1 kn • dig. 3 1/2-digit
Input signal:	N18-potentiometer • 3 x 10 V	0...5.2 mA • R <sub>i</sub> = 110 Ω	WD: N18-potentiometer • 3 x 10 V • WS: 0...4 mA
Dimensions/ Weight:	144 x 144 x 130 mm • 2 kg	144 x 144 x 90 mm • 1.4 kg	144 x 144 x 130 mm • 3 kg
Housing:	standard housing for control panels • black scale • white inscription • lighted		
Supply voltage:	for lighting 24 V <sub>AC</sub> • 4 W		
Connectable to:	WD/WS sensors e. g. (1455 HGN18) • (14513 HG4N18)* • SYNMET-DAC-module		
Included in delivery:	2 brackets		* adaptation necessary

