

Wind Classic

Description

Combined Wind Transmitter

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Measuring value transmitter for the measurement of the wind speed and wind direction of the horizontal air flow.

The cup star revolution is scanned opto-electronically in contact-free and wear-resistant manner. It has an extremely low starting speed.

The position of the wind vane is detected opto-electronically by a code disc. The digital measuring signals are transformed by an internal measuring transformer.

The output signals are available as current or voltage signals.

The heating is controlled electronically. A plug connection is situated in the shaft of the instrument. The instrument is mounted preferably onto a mast.

All main parts are made of anodised aluminium, and are additionally varnished.

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The cup star revolution is scanned opto-electronically in contact-free and wear-resistant manner. It has an extremely low starting speed.

The position of the wind vane is detected opto-electronically by a code disc.

The output signals are available as frequency for wind speed, and as 8-bit-Gray-code (parallel) for wind direction.

The ship-version is equipped with a strengthened cup star and a smaller wind vane.

Order-No.

4.3324.31.xxx
.0xx
.6xx
.x40
.x41
.x61
.x73

4.3324.31.000
.001

Technical Data

Meas. range WS	0.3 ... 50 m/s 0.3 ... 60 m/s
Electr. output	0 - 20 mA 4 - 20 mA 0 - 10 V 0 - 5 V
Meas. range WD	0 - 360°
Accuracy	±0.5 m/s or ±2.0 % of meas. value ±2.5°
Load	max. 60 m/s
Delay distance	5 m
Responsiveness	< 0,6 m/s at 90°
Damping coefficient	0.2 ... 0.3
Operating voltage	14 ... 18 V DC or 24 V AC/DC w. heating
Heating	max. 40 W
Ambient temp.	-35 ... +80°C
Electr. connection	multi-pole plug
Fixing boring	Ø 50 x 50 mm
Mounting	onto mast tube 1 1/2"
Total height	620 mm
Protection	IP 55
Weight	3.4 kg

Model	Standard land version Ship version
Meas. range	0.3 ... 50 m/s 0 ... 360°
Electr. output	3 ... 1042 Hz 8-bit-Gray-code (parallel)
Resolution	0.05 m ; 2.5°
Accuracy	±0,3 m/s or ±2 % of meas. value ±1,5°
Operating voltage	15 V DC (5 ... 18 V) or 24 AC/DC, w. heating
Load	max. 60 m/s
Delay distance	5 m
Responsiveness	< 0.6 m/s at 90°
Damping coefficient	0.2 ... 0.3
Heating	max. 40 W
Ambient temp.	-35 ... +80°C
Electr. connection	multi-pole plug
Fixing boring	Ø 50 x 50 mm
Mounting	onto mast tube 1 1/2"
Total height	620 mm
Weight	3,4 kg

