

Wind Classic

Description

Wind Direction Transmitter



Wind Direction Transmitter

Measuring value transmitter for measuring the direction of the horizontal air flow.

Potentiometer-wind-direction-transmitters are equipped with a sliding potentiometer which offers a theoretically unlimited resolution.

The heating is electronically controlled. A plug-connection is situated in the shaft of the instrument. The instrument is mounted preferably onto a mast or traverse. All main parts are made of anodised aluminium, and are additionally varnished.

Order-No.

4.3120.22.xxx
.012
.018

Technical Data

Potentiometer	Measuring Range
0 - 2000 Ω	358 ° (± 3°) 5
0 - 400 Ω	-lead circuit
Measuring range	0 - 360°
Resolution	1°
Accuracy	± 1.5°
Operating voltage	
Potentiometer	12 V DC, max 1.5 W
Heating	24 V AC/DC, max. 20W
Load	max. 60 m/s
Starting value	0.5 m/s at 90°
Damping coefficient	0.2 ... 0.3
Ambient temperature	- 35 ... + 80 °C
Electr. connection	8-pole plug connection
Mounting	onto mast tube 1 1/2"
Dimensions	415 mm high
Protection	IP 55
Weight	1.8 kg

Wind Direction Transmitter



Measuring value transmitter for measuring the direction of the horizontal air flow.

The wind direction transmitter is equipped with an opto-electronic scanner (code disc), which causes an extremely low starting speed, and operates in wear-resistant manner. The digital measuring signals are transformed by an internal measuring transformer.

The output is available as analogue current- or voltage signal.

4.3125.32.xxx
.040
.041
.060
.061
.073

Analogue Output	0 - 20 mA
	4 - 20 mA
	0 - 1 V
	0 - 10 V
	0 - 5 V

Measuring range	0 - 360°
Resolution	2,5°
Accuracy	± 2,5°
Load	max. 60 m/s
Starting value	< 0.6 m/s at 90°
Damping coefficient	0.2 ... 0,3
Operating voltage	14 - 18 V DC
Heating	24 V AC/DC, max. 20 W
Ambient temperature	- 35 ... + 80 °C
Electr. connection	5-pole plug connection
Mounting	onto a mast tube
	1 1/2"
Dimensions	415 mm high
Weight	1,8 kg

Wind Direction Transmitter



Measuring value transmitter for measuring the direction of the horizontal air flow.

The position of the wind vane is detected opto-electronically by a code disc, which causes an extremely low starting speed, and operates in wear-resistant manner.

The output is available as serial or as parallel digital signal.

4.3121.32.000
4.3125.32.100

Digital Output	8-bit parallel
	8-bit THIES serial
Measuring range	0 - 360°
Resolution	2.5°
Accuracy	± 2.5°
Load	max. 60 m/s
Starting value	< 0.6 m/s at 90°
Damping coefficient	0.2 ... 0.3
Operating voltage	
Electronics	5 / 3.5 - 18 V DC
Heating	24 V AC/DC, max. 20W
Ambient temperature	- 35 ... + 80 °C
Electr. connection	
with xx.xxxx.000	19 pole plug connection
with xx.xxxx.100	7-pole plug connection
Mounting	onto a mast tube
	1 1/2"
Dimensions	415 mm high
Weight	1.8 kg