

Wind

Small Wind Transmitter

Description

Wind Direction Transmitters



Wind Direction Transmitter

Measuring sensor for the measurement of the horizontal wind direction in the open. The instrument is a small construction with a potentiometer or Reed-contact, which are activated in correspondence to the position of the wind vane. The instrument is made of synthetic material.

Order-No.

4.3124.30.018

4.3127.40.000

4.3140.51.010

Technical Data

Electr. output Resolution	0 - 400 Ω (358°) 0.5°, 5-lead circuit
Electr. output Resolution	8 Reed contacts 22.5°
Measuring range	0 ... 358° / 0 ... 360°
Potentiometer load	max. 100 ma, 24 V, 2.5 W
Contact load	0.5 W, max. 60 V DC
Load	max. 60 m/s
Ambient temp.	-25 ... + 60° C, ice-free
Cable	20 m; LiYY 5 x 0.25 mm ² or 9 x 0.14 mm ²
Mounting	onto a mast tube 1"
Dimension	210 mm high
Protection	IP 54
Weight	0.55 kg



Wind Direction Transmitter

Measuring transmitter for the measurement of the horizontal wind direction. The measuring values are output as ohmic resistance-signals. The wind direction is detected by a wind vane, and is then transmitted to a potentiometer. The outer parts of the instrument are made of corrosion-resistant materials (plastic). Labyrinth gaskets protect the parts inside the instrument against humidity.

Measuring range	10°... 350° (20° dead-zone in the north)
Electr. output	Potentiometer 0 ... 1 K Ω ($\pm 3\%$)
Responsiveness	1 m/s
Potentiometer load	max. 1.5 W
Ambient temperature	-25 ... + 60° C, ice-free
Electr. connection	3 m cable
Dimensions	210 mm high
Protection	IP 54
Weight	0.3 kg