



WRG2/O

Wind direction transmitter - compact

Measuring size: wind direction

Output: 0-10 V, 4-20 mA

Highlights: heated ball bearings



Description

The wind direction transmitter WRG2/O is designed for the acquisition of the horizontal wind direction. The measuring values are output as electrical analogue signals. The measuring data available are ideally adapted to the supply in display instruments, recording instruments, datalogger, as well as process control systems. For winter operation the instruments are equipped with an electronically regulated heating in order to guarantee a smooth running of the ball bearings, and to avoid ice-formation at the slot of the outer rotation parts. The electrical supply of wind transmitter heating is carried out, for ex., by our power supply unit.

Technical Specifications

Measuring principle	TMR sensor (Tunnel Magneto Resistance)
Measuring range wind direction	0-360°, resolution 1°
Survival speed	max. 80 m/s, 30 minutes
Supply voltage	8/15...30 V DC
Supply voltage heating	24 V DC/AC, max. 20 W
Analogue output	0-10 V, 4-20 mA
Electrical connection	PG cable clamb and 12 m cable LiYCY 6 x 0,25 mm ² (included)
Housing	aluminium (AlMgSi1), anodised
Material	Wind vane: plastic with carbon fiber (PC-GF10), base: plastic (POM H2320)
Weight	ca. 300 g + 75 g / m Kabel
Protection type	IP55
Installation	for ex. onto mast tube with receptacle thread Pg 21 or boring Ø 29 mm
Approvals	CE, EAC, RoHS



Variants

Article Number		
Supply voltage	Wind direction	Output wind direction
WRG2/O-10		
24 V AC/DC	0-360°	0-10 V
WRG2/O-50		
24 V AC/DC	0-360°	4-20 mA

Accessories



ZM/O
Meteorology accessories



FS6901
Stand with mast tube



Dimensional Drawing

