



WRG/O

Wind direction transmitter - classic

Measuring size: wind direction

Output: 0-10 V, 4-20 mA

Highlights: heated ball bearings, windvane made of aluminum



Description

The wind direction sensor WRG/O measures the horizontal wind direction and transforms this value into a linear analog output signal. This signal can be on the further use of display devices, recorders, data loggers, and process control systems are disclosed. All essential parts are made of anodized aluminum and are painted separately. The assembly is preferably carried on a pole or a traverse. For winter operation, the wind instrument is equipped with an electronically controlled heating system to prevent freezing.

Technical Specifications

Measuring principle	TMR sensor (Tunnel Magneto Resistance)
Measuring range wind direction	0-360°, resolution 1°
Accuracy	±1,5°
Running-in time	< 0,6 m/s at 90° flag detection
Output attenuation	0,2-0,3
Supply voltage with heating	24 V AC/DC, max. 20 W
Analogue output	0-10 V, 4-20 mA
Wind load	at 35 m/s approx. 50 N
Max. load	60 m/s
Electrical connection	5-pole plug connection (cable 5X0,5mm ² LI9YC11Y black not included)
Weight	ca. 1800 g
Protection type	IP55
Installation	on mast tube (1 1/2 inch) or wall fastener
Approvals	CE, EAC, RoHS



Variants

Article Number		
Supply voltage	Wind direction	Output wind direction
WRG/O-20		
15...28 V DC / 24 V AC	0-360°	4-20 mA
WRG/O-40		
15...28 V DC / 24 V AC	0-360°	0-10 V

Accessories

ZM/O

Meteorology accessories



FS6901

Stand with mast tube





Dimensional Drawing

