



## WG2/O

### Wind speed transmitter - compact

Measuring size: wind speed

Output: 0-10 V, 4-20 mA

Highlights: heated ball bearings



### Description

The wind transmitter WG2/O detects the horizontal wind speed. The measured values are available at the output as analogue voltage or current signal to control for instance wind power plants.

An electronically-regulated heating system has been installed for winter time use, in order to prevent the ball-bearing and the external rotation parts from freezing.

Power for the heating system could be provided for instance by our Power Supply Unit.

### Technical Specifications

Measuring principle	opto-electronic
Measurement range wind speed	0-50 m/s
Accuracy	±0,5 m/s or ±3% f. mv
Accuracy	0,5 m/s
Survival speed	max. 80 m/s, 30 minutes
Supply voltage analog 0-10 V	13...30 V DC or 24 V AC/DC, max. 50 mA
Supply voltage analog 4-20 mA	9...30 V DC or 24 V AC/DC, max. 50 mA
Supply voltage heating	24 V DC/AC, max. 20 W
Analogue output	0-10 V, 4-20 mA
Working resistance for voltage output (V)	min. 1 KOhm
Working resistance for current output (mA)	max. 500 Ohm (for operating voltage > 15 V DC)
Electrical connection	PG cable clamp and 12 m cable LiYCY 6 x 0,25 mm <sup>2</sup> (included)
Housing	aluminium (AlMgSi1), anodised
Material	Cup Star: Plastic with Carbon Fiber (PC-GF10), Base: Plastic (POM H2320)
Weight	400 ? 750 g je nach Ausführung
Protection type	IP55
Working temperature	-40...+70°C
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 speed	Output wind speed
WG2/O-10		
24 V AC/DC	0-50 m/s	0-10 V
WG2/O-50		
24 V AC/DC	0-50 m/s	4-20 mA

## Accessories

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ZM/O

Meteorology accessories



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FS6901

Stand with mast tube





Dimensional Drawing

