

# Wind Sensor INDUSTRY



Wind Sensor INDUSTRY		Order No.	
<i>The wind sensors impress with high accuracy, simplest mounting methods and ultimately robust, seawater-proof materials.</i>			
<b>Technical Data</b>	<b>Wind Sensor INDUSTRY</b>		
<b>Wind direction</b>	Dimensions	Blade wind vane, 232 mm L, 307 mm H dimensionally stable, plastic	
	Weight	approx. 0.35 kg	
	Measuring range	0...360°	
	Resolution	2°	
	Accuracy	+/-2°	
	Starting value	< 0.7 m/s	
	Outputs	0(4)...20 mA / max. load 600 Ohm	
<b>Wind direction</b>	Dimensions	3-armed cup-Ø 95 mm / H 230 mm	
	Weight	Approx. 0.25 kg	
	Measuring range	0.7...50 m/s	
	Resolution	< 0.02 m/s	
	Accuracy	+/-2 % FS	
	Starting value	< 0.7 m/s	
	Outputs	0(4)...20 mA = 0...50 m/s, max. load 600 Ohm	
<b>General</b>	Measuring principle	Hall Sensor Array	
	Range of application	temperatures -30...+70 °C heated, wind speed 0...60 m/s	
	Supply voltage	24 (20...28) VDC, max. 800 mA electr. controlled heating, 18 W	
	Housing	Aluminium, anodized, IP53, Ø 32 mm	
	Bore	Ø 30 mm for mounting at traverse	
<b>Included in delivery</b>	cable with plug 12m, ready-made		
<b>Varieties</b>	<b>(Sensors with fixed cable or without heating on request)</b>		
	Wind direction	0...20 mA – output	<b>8368.200</b>
	Wind direction	0...20 mA – output	<b>8368.210</b>
	Wind direction	4...20 mA – output	<b>8368.220</b>
	Wind direction	4...20 mA – output	<b>8368.230</b>
	Wind direction	0...10 VDC output = 0...360 °C	<b>8368.240</b>
	Wind direction	0...10 VDC output = 0...50 m/s	<b>8368.250</b>



The optimal heating of the sensor head and minimum power demand of the system are made possible by thermal decoupling of the housing shaft.

- precision, tradition and future reliability
- large operative measuring and temperature range
- simplest mast mounting
- very good starting values through magnetic, contactless measuring principle
- optimal heating concept

*Wind sensors INDUSTRY are recommended for use in:*

- wind power plants
- building services
- wind warning devices on cranes
- industrial applications
- in all climatic zones
- environmental measurements