

Wind Sensor PROFESSIONAL



The titan in the category „professional wind sensors“ meets the challenge of highest reliability over a very large measuring range.

- Precision, tradition and future reliability
- Large measuring range of 75 m/s!
- Very low starting value of 0.3 m/s through magnetic, contactless measuring principle
- Optimal heating concept at the 4...20mA version

Wind Sensor PROFESSIONAL		Order No.	
<p><i>Two optimized versions are available with regard to power supply and signal output. The design is not only aerodynamically optimized but also effectuates extremely good deep-seaworthiness through the special surface treatment.</i></p>			
Technical Data		Wind Sensor PROFESSIONAL	
Wind direction	Dimensions	Blade wind vane, L 240mm, H 310mm	8368.300
	Weight	Approx. 0.4kg	
	Principle	Magnetical Positioning Encor System	
	Measuring range	0...360°	
	Resolution	< 1°	
	Accuracy	± 1°	
	Outputs	4...20mA analogue	
	Starting valuee	≤ 0.3m/s	
	Measuring element	Blade wind vane, dimensionally stable, aluminium	
Wind speed	Dimensions	3-armed cup CB, Ø 215mm	8368.310
	Weight	Approx. 0.35kg	
	Principle	Magnetical Positioning Encor System	
	Measuring range	0.3...75 m/s	
	Resolution	< 0.1 m/s	
	Accuracy	± 0.3 m/s ≤10m/s ± 1 % FS...50m/s	
	Outputs	4...20mA analogue	
	Starting valuee	< 0.3 m/s	
	Measuring element	3-armed cup, dimensionally stable, aluminium	
Range of application	Temperatures -40...+70 °C, heated, max. gusts of 100m/s		
Supply voltage	24VDC (20...28VDC), max 800mA, electr. controlled heated		
Housing	Seawater resistant aluminium, surface (special anodised oxidised Al, black, IP65)		
Measuring element	In upright position, Ø 32mm, bore Ø 30mm for mounting at mast or traverses		
Included in delivery	Cable 12m, plug connection, 4 pin, polarity protection ready-made		
Accessories	Mast adapter Ø 50mm	8368.Z100	
	Traverse, for mast Ø 30-80mm lenght 825mm	8368.Z101	
	Traverse, for mast top 50mm, lenght 600mm	8368.Z102	
	Lightning rod	8368.Z103	

Wind Sensors PROFESSIONAL are recommended for use in:

Offshore
 Wind power plants
 Meteorology
 Wind warning systems
 Power plants
 Airports
 Military and civil ships

Further information about our products can be found on our website www.lufft.de