

Type:	WSS REC - Wind Sensor Static
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**Technical specifications**

<b>Sensor General specs:</b>	
Temperature	Working range - 52...+ 60°C Storage range - 60...+ 70°C
Relative humidity	0...100% RH
Pressure	600...1100hPa
<b>Wind speed section</b>	
Measuring range	0...60m/s
Resolution	0.1m/s
Linearity	0...35m/s: $\pm 0.3\text{m/s}$ or $\pm 3\%$ , whichever is greater >36m/s $\pm 5\%$
Response time	1.0 s
Electromagnetic compatibility	EN 61326
<b>Wind direction section</b>	
Measuring range	0...360° continuously
Resolution	1°
Accuracy	$\pm 3^\circ$ in relation to the wind direction
Response time	1.0s
<b>Communication port</b>	
RS485	NMEA 0183 protocol.
<b>Supply voltage</b>	
	12V DC $\pm 20\%$ (max 1.1A) 24V DC $\pm 20\%$ (max 0.6A)

**Type test specifications**

Tested according to:

Temperature	Operation: -52...60°C Storage: -60...70°C	EN/IEC 60068-1/2
Humidity	0...97% RH, non-condensing	EN/IEC 60068-1/2
Protection	Enclosure: IP66	EN 60945
Vibration	3...13,2Hz: 2mm (peak-peak) 13,2...100Hz: 0,7g 3...15Hz: $\pm 2,5\text{mm}$ (peak) 15...50Hz: 2,3g	EN/IEC 60068-2-6 and GL curve 4 for masts
Safety	EN 61010-1, Cat. III, poll.dg. 2	EN 61010-1
Test voltage	550VAC rms, 50 Hz, 1 minute	EN 61010-1
EMC	Immunity	EN 61000-1-1/2
	Emission	EN 61000-1-3/4.



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Date: 2010-11-30

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