



-power in control-

# DEIF A/S

# Type Certificate

4124040029A / ref. JCL

Type:	Ultrasonic Wind Sensor WSS 700 and WSS 750
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### Technical specifications

* Power supply:	24 to 32Vdc (min. 18V max. 40Vdc)
* Power consumption:	No or inactive heating: < 2 W. Maximum heating < 40 W
* Wind speed	Range: 0...125 KTS (0...65 m/s) Resolution: 0.01 m/s (0.02 knots) Accuracy: +/- 0.2 m/s (+/-0.4 KTS) or 3 %, whichever is greater
* Wind direction	Range: 0...360° continuously Resolution: 1° Accuracy: +/- 2°
Update interval	1 second
Start-up time	< 5 sec. from power on to valid data output
* Interface	RS485 bus (I/O) at 4800 bit/s.
Data sentence	NMEA0183

### Type test specifications

### Tested according to:

Temperature:	Operating range: WSS 700 unheated -10...60°C WSS 750 heated -40...60°C Storage: -60...80°C	IEC 60068-2-1 IEC 60068-2-2
Relative humidity:	97%RH	IEC 60068-2-30, test Db
Vibration:	3...13.2Hz: 2mm <sub>pp</sub> 13.2...100Hz: 0.7g	IEC/EN 60945 IEC/EN 60068-2-6
	3...15Hz: ± 2,5mm <sub>pp</sub> 15...50Hz: 2.3g	DNV Class C (Mast)
Shock	30g, 11ms, half sine, in all 3 axis	IEC/EN 60068-2-27
Compass safety distance	0.5 meter (20 inches)	
Safety:	Installation Cat.III 600V Pollution degree 2	EN 61010-1
EMC:		EN 61000-6-2/4 IEC/EN 60945
Housing:	Stainless steel	
Protection:	IP66 and IP67	IEC/EN 60529

\*) Routine tested on all units according to specifications.  
Remaining specifications are tested regularly by test sampling.

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