

Technical Data

Wind Sensor Set Vento1



Wind Speed, Wind Direction, Cross Bar

The ADCON Wind Sensor Set Vento 1 is tailor made for meteorological applications that require a maximum of accuracy over an extended measurement range, integrated into a very robust, yet low-maintenance body made of seawater resistant aluminum

Wind Speed:	
Measuring principle:	magnetic
Measuring element:	3-arm cup anemometer, aluminum
Measuring range:	<0.4 ... 55,56m/s (1.44 ... 200km/h)
Accuracy:	< ± 0.3 m/s
Resolution:	± 0.1 m/s
Starting value:	< 0.4m/s (1.44 km/h)
Output signal	0 ... 2.5V DC
Case:	sea water resistant aluminum
Temperature range:	-40°C ... +70°C (non-icing)
Mounting:	Bores with diameter of 30mm at max. 10mm wall strength
Weight:	approx. 500g.
Standards:	VDI 3786, sheet 2 / WMO No.8
Cable:	Binder Germany, 1m, shielded, PUR
Connector:	Binder M9 male 7-pin

Wind Direction:	
Measuring principle:	magnetic
Measuring element:	aluminum wind vane
Measuring range:	0° - 360°
Accuracy:	< $\pm 2^\circ$
Resolution:	$\pm 1^\circ$
Starting value:	< 0.4m/s (1.44 km/h)
Output signal	0 ... 2.5V DC

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Dead angle:	4° ± 1°
Switching point:	North
Case:	sea water resistant aluminum
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Mounting:	Bores with diameter of 30mm at max. 10mm wall strength
Weight:	approx. 500g.
Standards:	VDI 3786, sheet 2 / WMO No.8
Cable:	Binder Germany, 1m, shielded, PUR
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