

Technical Data

Wind Sensor Set Pro10/2



Wind Speed, Wind Direction, Cross Bar

The ADCON Wind Sensor Set Professional is not only an extremely accurate set of sensors, it is also extremely robust, fully made of anodized aluminum, with no plastic parts. Both sensors have a very low onset speed, but can withstand wind gusts of up to 75m/s even at extremely low temperatures.

Built to last, these sensors are fit even for marine applications.

Wind Speed:	
Measuring principle	magnetic
Measuring element	3-arm cup anemometer, aluminum
Measuring range	<0.4 ... 75m/s (1.44 ... 270km/h)
Linearity	< ± 0.5m/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. 700g.
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/stainless steel wind vane
Measuring range	0° - 360°

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Linearity	< $\pm 2.5^\circ$
Starting value	< 0.4m/s (1.44 km/h)
Output signal	0 ... 2.5V DC
Dead angle	$5^\circ \pm 1^\circ$
Switching point	North
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. 720g.
Standards	VDI 3786, sheet 2 / WMO No.8
Cable	Binder Germany, 1m, shielded, PUR
Connector	Binder M9 male 7-pin