

Wind Speed and Direction Model Professional

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. Robust bearings that don't wear out, cups and vane made of aluminum that both don't break even in severe storms when hit by twigs. In case of damage they are both easily field replaceable, securely held in place with self locking nuts.

The sensors come with a mast mounting bracket 80 cm wide, and a 2m cable with an Adcon Standard 7-pin connector to make them compatible to all Adcon RTUs of the A7x3 series.

Applications

- Professional Weather Stations
- Agricultural Weather Stations
- Wind Power Stations

Technical data

Dimensions incl. bracket	900 x 200 x 360mm LxWxH	Output signal	0 ... 2,5 VDC
Weight	4.000 gr.	Direction range	0 ... 360°
Materials used	Sensors: anodized aluminum Bracket: aluminum	Resolution	1°
Protection class	IP-64	Accuracy	< ± 2,5°
Operating environment	-40°C ... +70°C; 0 ... 100% rh	Onset speed	< 0,4m/s
Speed range	0,4 ... 55,556 m/s (1,44 ... 200km/h)	Output signal	0 ... 2,5VDC
Resolution	< 0,1m/s	Mounting	on poles with 40 - 50mm in Ø
Accuracy	< ± 0,5m/s	Ordering Information	
Onset speed	< 0,4m/s	200.733.006	Adcon Wind Sensor Set Pro 10
Measuring Principle	magnetic	200.733.012	Adcon Wind Speed Sensor Pro 10
		200.733.013	Adcon Wind Direction Sensor Pro 10