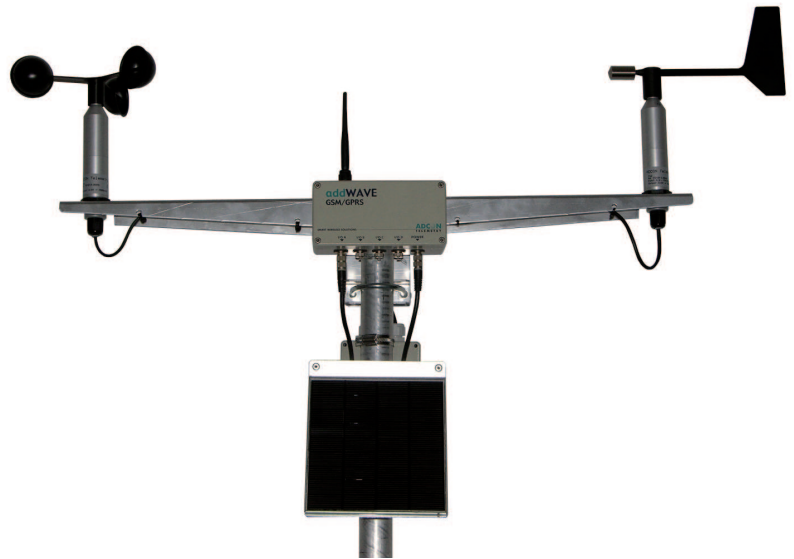


# Wind Speed and Direction Model Professional

The Adcon Wind Sensor Set "Professional" is an extremely accurate set of sensors, Made in Germany. Both sensors have a very low onset speed and robust precision bearings that are absolutely maintenance free.

Built to last these sensors are made of anodized, sea water resistant aluminum. The generously dimensioned anemometer cups are also made of aluminum, the wind vane of fibre enforced plastic.

Both sensors have an extremely low power consumption, tailor-made for solar powered Adcon weather stations. 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.



Wind Sensor Set Professional - Installation Example  
(RTU, mast and solar panel not included)

## 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 V
Weight	3.200 g	<b>Wind direction</b>	0 ... 360°
Materials used	Sensor cases: anodized aluminum Bracket: aluminum	Resolution	1°
Protection class	IP53	Linearity	< ± 2%
Operating environment	-30°C ... +70°C; 0 ... 100% rh	Onset speed	~ 0.5m/s
<b>Wind speed</b>	0.5 ... 55.556 m/s (1.8 ... 200km/h)	Measuring principle	Potentiometer
Resolution	0.1m/s	Supply voltage	4.5 ... 15 VDC
Linearity	± 0.3m/s and ± 2% at 20°C	Output signal	0 ... 2.5V
Onset speed	~ 0.5m/s	Mounting	on poles with 40 - 50mm in Ø
Measuring principle	generator	Cable and connector	2m cable, 7-pin Binder M9 male
Supply voltage	nil	Ordering information	
		200.733.009	Adcon Wind Sensor Set Pro