

# Wind Speed Sensor Model Professional

Adcon's Professional Wind Speed sensor is an extremely accurate, high quality, German made unit. The sensor employs robust, precision bearings which are maintenance free. The body of the sensor is built of anodized, sea water resistant aluminium. The large anemometer cups are also made of aluminum, and are easily field-replaceable by means of three hex bolts.

The sensor employs an accurate, ultra-low-friction generator and therefore has zero power consumption, making it ideally suited for use with Adcon's solar powered weather stations. The sensor comes with a 40cm long aluminium mounting arm and is supplied with a 2m cable, fitted with a 7-pin Binder connector for easy connection to an Adcon RTU.



Wind Speed Sensor Professional, incl. mounting arm

## Applications

- Automatic weather stations for regulatory monitoring (odour modeling and plume dispersion)
- Professional weather stations
- Wind energy prospecting and turbine performance monitoring
- Evapotranspiration (ET) calculation
- Monitoring of solar power installations

### Technical data

Dimensions incl. arm	550 x 200 x 360mm LxWxH	Onset speed	~ 0.5m/s
Weight	800 g	Measuring principle	generator
Materials used	Sensor case: anodized aluminum Anemometer cups and mounting arm: aluminum	Supply voltage	nil
Protection class	IP53	Output signal	0 ... 2.5 V DC
Operating environment	-30°C ... +70°C; 0 ... 100% rh	Mounting	on poles with a Ø of 40 - 45mm; clamps included
Measuring range	0.5 ... 55.556 m/s (1.8 ... 200km/h)	Cable and connector	2m cable, 7-pin Binder M9 male
Resolution	0.1m/s	Ordering information	
Linearity	± 0.3m/s and ± 2% at 20°C	200.733.007	Adcon Wind Speed Sensor Pro