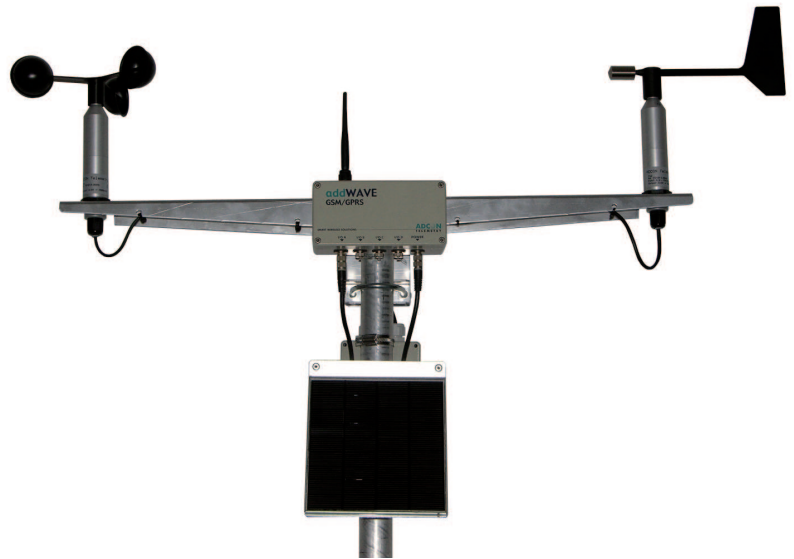


Wind Speed and Direction Model Professional

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 | Wind Direction | 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 |
| Wind Speed | 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 |