

# 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                         | Measuring Principle  | magnetic                     |
| Weight                   | 4000 gr.  | Output signal        | 0 ... 2,5 VDC                |
| Materials used           | Sensors: anodized aluminum<br>Bracket: aluminum | Direction range      | 0 ... 360°                   |
| Protection class         | IP64  | Resolution           | 1°                           |
| Operating environment    | -40°C ... +70°C; 0 ... 100% rh                  | Accuracy             | < ± 2,5°                     |
| Speed range              | 0,4 ... 55,56 m/s (1,44 ... 200km/h)            | Onset speed          | < 0,4m/s                     |
| Resolution               | <0,1m/s   | Output signal        | 0 ... 2,5VDC                 |
| Accuracy                 | < ± 0,5m/s                                      | Mounting             | on poles with 40 - 50mm in Ø |
| Onset speed              | < 0,4m/s  | Ordering Information |                              |
|                          |   | 200.733.006          | Adcon Wind Sensor Set Pro 10 |