

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 15.75" long aluminium mounting arm and is supplied with a 6ft. 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 | 19.69 x 7.87 x 14.17 in. LxWxH | Linearity | ± 0.3m/s and ± 2% at 68°F |
| Weight | 1.76 lb. | Onset speed | ~ 0.5m/s |
| Materials used | Sensor case: anodized aluminum Anemometer cups and mounting arm: aluminum | Measuring principle | generator |
| Protection class | IP53 | Supply voltage | nil |
| Operating environment | -22°F ... +158°F; 0 ... 100% rh | Output signal | 0 ... 2.5 V DC |
| Measuring range | 0.5 ... 55.556 m/s (1.118 ... 124.274 miles/hour) | Mounting | on poles with a Ø of 1.57" - 1.77"; clamps included |
| Resolution | 0.1m/s | Cable and connector | 6ft cable, 7-pin Binder M9 male |
| | | Ordering information | |
| | | 200.733.007 | Adcon Wind Speed Sensor Pro |