

Technical Data

Wind Sensor Set Pro10/2



Wind Speed, Wind Direction, Cross Bar

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.

| Wind Speed: | |
|---------------------|--|
| Measuring principle | magnetic |
| Measuring element | 3-arm cup anemometer, aluminum |
| Measuring range | <0.4 ... 75m/s (1.44 ... 270km/h) |
| Linearity | < ± 0.5m/s |
| Starting value | < 0.4m/s (1.44 km/h) |
| Output signal | 0 ... 2.5V DC |
| Case | sea water resistant aluminum |
| Temperature range | -40°C ... +70°C (non-icing) |
| Mounting | Bores with diameter of 30mm at max. 10mm wall strength |
| Weight | approx. 700g. |
| Standards | VDI 3786, sheet 2 / WMO No.8 |
| Cable | Binder Germany, 1m, shielded, PUR |
| Connector | Binder M9 male 7-pin |

| Wind Direction: | |
|---------------------|------------------------------------|
| Measuring principle | magnetic |
| Measuring element | aluminum/stainless steel wind vane |
| Measuring range | 0° - 360° |

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| | |
|-------------------|--|
| Linearity | < $\pm 2.5^\circ$ |
| Starting value | < 0.4m/s (1.44 km/h) |
| Output signal | 0 ... 2.5V DC |
| Dead angle | $5^\circ \pm 1^\circ$ |
| Switching point | North |
| Case | sea water resistant aluminum |
| Temperature range | -40°C ... +70°C (non-icing) |
| Mounting | Bores with diameter of 30mm at max. 10mm wall strength |
| Weight | approx. 720g. |
| Standards | VDI 3786, sheet 2 / WMO No.8 |
| Cable | Binder Germany, 1m, shielded, PUR |
| Connector | Binder M9 male 7-pin |