ADCON TELEMETRY

SMART WIRELESS SOLUTIONS

Wind Speed and Direction Sensors Model Pro 10/2

The Adcon Wind Sensor Set Pro 10/2 is not only an extremely accurate set of sensors, it is also extremely robust, fully made of seawater resistant aluminum, with no plastic parts. Both sensors have a very low onset speed, but can withstand wind gusts of up to 80m/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 150cm of cable with the Adcon Stan - dard 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 (L x W x H)
Weight	4.000 gr.
Materials used	Sensors: seawater resist. aluminum Bracket: aluminum
Protection class	IP-64
Operating environment	-40°C ... +70°C (non-icing) 0 ... 100% rh
Measuring Principle	magnetic
Speed range	0 ... 75 m/s (0 ... 270km/h)
Resolution	< 0,1m/s
Accuracy	± 0,3m/s

Direction range	0 ... 360°
Resolution	1°
Accuracy	< ± 2,5°
Onset speed	< 0,4m/s (speed & direction)
Output signals	2 x 0...2,5VDC (speed&direction)
Cable & Connector	2m, shielded, 7pin Binder M9
Mounting	on poles with 40 - 50mm in Ø
Ordering Information:	
200.733.010	Wind Sensor Set Pro10/2
200.733.014	Wind Speed Sensor Pro10/2
200.733.013	Wind Direction Sensor Pro10

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