

Wind Speed and Direction Sensors Model Vento 1

The new Adcon Wind Sensor Set Vento is tailor made for all applications that require an extremely robust, low-maintenance, yet very accurate set of sensors, fully made of seawater resistant aluminum. Both sensors have very low onset speeds and maintain their accuracy across the full measurement range of up to 200km/h.



Built to last these sensors are the perfect fit for all meteorological applications, from agriculture to hydrographics and general meteorology. All moving parts are extremely light weight, yet robust, and can easily be replaced in the field.

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

- Agricultural and hydrographical weather stations
- Professional meteorological stations
- Wind Power Stations

Technical data

Dimensions incl. Bracket	900 x 200 x 360mm (L x W x H)	Direction Range	0 ... 360°
Weight	3.000 gr.	Resolution	2°
Material	Aluminum	Accuracy	< ± 2°
Protection Class	IP-64	Onset Speed	< 0,4m/s (speed & direction)
Operating Environment	-40°C ... +70°C (non-icing) 0 ... 100% rh	Output Signals	2 x 0...2,5VDC (speed&direction)
Gust Survival	80m/s	Cable & Connector	2m, shielded, 7pin Binder M9
Measuring Principle	magnetic positioning encoder	Mounting	on poles with 40 - 50mm in Ø
Power Supply	4 ... 15V @ <2mA	Standards	VDI 3786, sheet 2 • WMO No. 8
Speed Range	0,4 ... 55,56 m/s (0 ... 200km/h)	Ordering Information:	
Resolution	< 0,1m/s	200.733.280	Wind Sensor Set Vento 1
Accuracy	± 0,5m/s	200.733.281	Wind Speed Sensor Vento 1
		200.733.282	Wind Direction Sensor Vento 1