Wind Speed and Direction Sensors Model Vento 1

The second version of the popular Vento1 wind sensor set is now more accurate than ever, and easily matches other high-end products. This sensor 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)
Weight	3.000 gr.
Material	Aluminum
Protection Class	IP-64
Operating Environment	-40°C … +70°C (non-icing) 0 … 100% rh
Gust Survival	80m/s
Measuring Principle	magnetic positioning encoder
Power Supply	4 … 15V @ <2mA
Speed Range	0,4 … 55,56 m/s (0 … 200km/h)
Resolution	< 0,1m/s
Accuracy	± 0,3m/s

Direction Range	0 … 360°
Resolution	<1°
Accuracy	< ± 2°
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
Standards	VDI 3786, sheet 2 • WMO No. 8
Ordering Information:	
200.733.280	Wind Sensor Set Vento 1
200.733.281	Wind Speed Sensor Vento 1
200.733.282	Wind Direction Sensor Vento 1