

Wind Speed and Direction Model Standard

Adcon's combination Wind Speed and Direction sensor is a robust, accurate, high quality unit, manufactured for Adcon in Switzerland. Each sensor receives individual calibration according to the SCS approved "Swiss Calibration" quality mark. The sensor has proven its reliability in the harshest of environments.

The sensor is mounted in a rugged housing, and all external sensor parts are made of impact and UV resistant plastics. It shows extremely low drift, even after a period of 8 - 10 years, thanks to its robust, maintenance free bearings.

The wind speed sensor has a very low starting threshold while still measuring up to 200km/h. It is built around a brushless AC generator with rectifier, that require no external power supply. The wind direction sensor is based on a precision potentiometer with an extremely low power consumption.

This sensor comes complete with a mast mounting arm and is fitted with a 2m cable with a 7-pin Binder connector, allowing direct connection to an Adcon RTU.



Applications

- Agricultural Weather Stations
- General Meteorology
- Evapotranspiration

Technical data

Dimensions incl. bracket	580 x 80 x 310mm LxWxH	Direction measurement	Potentiometer
Weight	1,000 g	Direction range	0 ... 360°
Mounting	Mast mounting bracket with clamps; for poles with 35 - 45mm Ø	Linearity	±1°
Protection class	IP64	Dead angle	3° ±1°
Operating environment	-30°C ... +65°C; 0 ... 100% rh	Switching point	North
Output signal	2 x 0 ... 2.5VDC	Onset speed	0.6m/s (2.16 km/h)
Speed measurement	Generator	Cable & Connector	200cm, M9 male 7-pin, Binder
Speed range	0.6 ... 55.556 m/s (2.16 ... 200km/h)	Ordering Information	
Linearity	± 0.3m/s & ± 2% rdg @20°C	200.733.005	Wind Combi Sensor Standard
		200.733.508	A508 WindMAX