

Wind-Eko-Sonic

Wind Speed & Direction Sensor with optional iP connection

with iBOX or EKO21N-iP: [wind monitoring over iP!](#)



ALL WEATHER SENSING TECHNOLOGY

MAINTENANCE FREE - 2 YEAR WARRANTY

- ~ **LOW START SPEED**
- ~ **CORROSION FREE, UV STABLE MATERIAL**
- ~ **NO CALIBRATION REQUIRED**
- ~ **ROBUST CONSTRUCTION**
- ~ **TRUE 0-359° OPERATION (no dead band)**
- ~ **WIND SPEED & DIRECTION FROM A SINGLE UNIT**
- ~ **AGRICULTURE**
- ~ **HVAC**
- ~ **POLLUTION CONTROL**
- ~ **PORTABLE WEATHER STATIONS**
- ~ **ROADSIDE WEATHER STATIONS**
- ~ **TUNNELS**
- ~ **MARINE**

At last, a real low cost alternative to conventional cup/vane/propeller wind sensors in a single unit – Wind-Eko-Sonic. Utilising our expertise as the world's leading sonic manufacturer, Wind-Eko-Sonic is based on our existing, highly successful, proven ultrasonic technology. Ideal for applications that demand economic wind sensing, Wind-Eko-Sonic is suitable for land-based and marine environments.

A lightweight unit, Wind-Eko-Sonic is of a robust, high strength construction designed to withstand installation and use with no fear of the damage commonly experienced with more fragile cups, vanes or propellers. Without the need for expensive on-site calibration or maintenance and with a corrosion free exterior, Wind-Eko-Sonic is a true fit and forget unit.

The flexible design enables you to easily configure to deliver the information you require. By using the software provided it is possible to select the output rate and choose the units of measurement that suit your application. Ensuring accuracy and reliability, Wind-Eko-Sonic automatically transmits an anemometer status code with each output to indicate its operating status. Available in four options, providing a number of different digital and analogue outputs **and optional IP connection to internet**, see www.ekopower.net Maintenance free, quick and easy to install, Wind-Eko-Sonic is designed to be mounted using a standard pole fitting and comes complete with all screw fittings. a marina marine grade

The unit is supplied with a 2 year warranty as standard.

Output	1, 2 or 4 outputs per second	Ingress Protection	IP65
Parameters	Wind Speed & Direction or U and V (vectors)	Operating Temperature	-35°C to +70°C
Units of Measure	m/s, knots, mph, kph, ft/min	Storage Temperature	-40°C to +90°C
WIND SPEED		Operating Humidity	<5% to 100%
Range	0 – 60 m/s (116 knots)	EMC	EN 61000-6-2 : 2001 EN 61000-6-3 : 2001
Accuracy	+/- 2%	MTBF	15 years
Resolution	0.01 m/s (0.02 knots)	MATERIALS	
WIND DIRECTION		External Construction	LURAN S KR 2861/1C ASA/PC
Range	0 to 359° – no dead band	DIMENSIONS	
Accuracy	+/- 3°	Size	142 x 160 mm
Resolution	1°	Weight	0.45 kg
ANEMOMETER STATUS		WARRANTY	2 years
Message supplied as part of standard output		OPTIONAL FACTORY CALIBRATION	Traceable to national standards
Anemometer	9-30Vdc @ 14.5mA typical Start up time <1 second	ACCESSORIES	
OUTPUTS		Pipe Mounting	44.45 mm (1.75 in) diameter iBOX or EKO21N-IP for data logging & internet connection
Option 1	RS232		
Option 2	RS232 + RS422 + RS485 + NMEA*		
Option 3	RS232 + RS422 + RS485 + NMEA* + 0-5V or 4-20mA		
Option 4	SDI-12		
* NMEA 0183 Version 3			

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The Wind-Eko-Sonic is in continuous development and therefore specifications may be subject to change without prior notice.