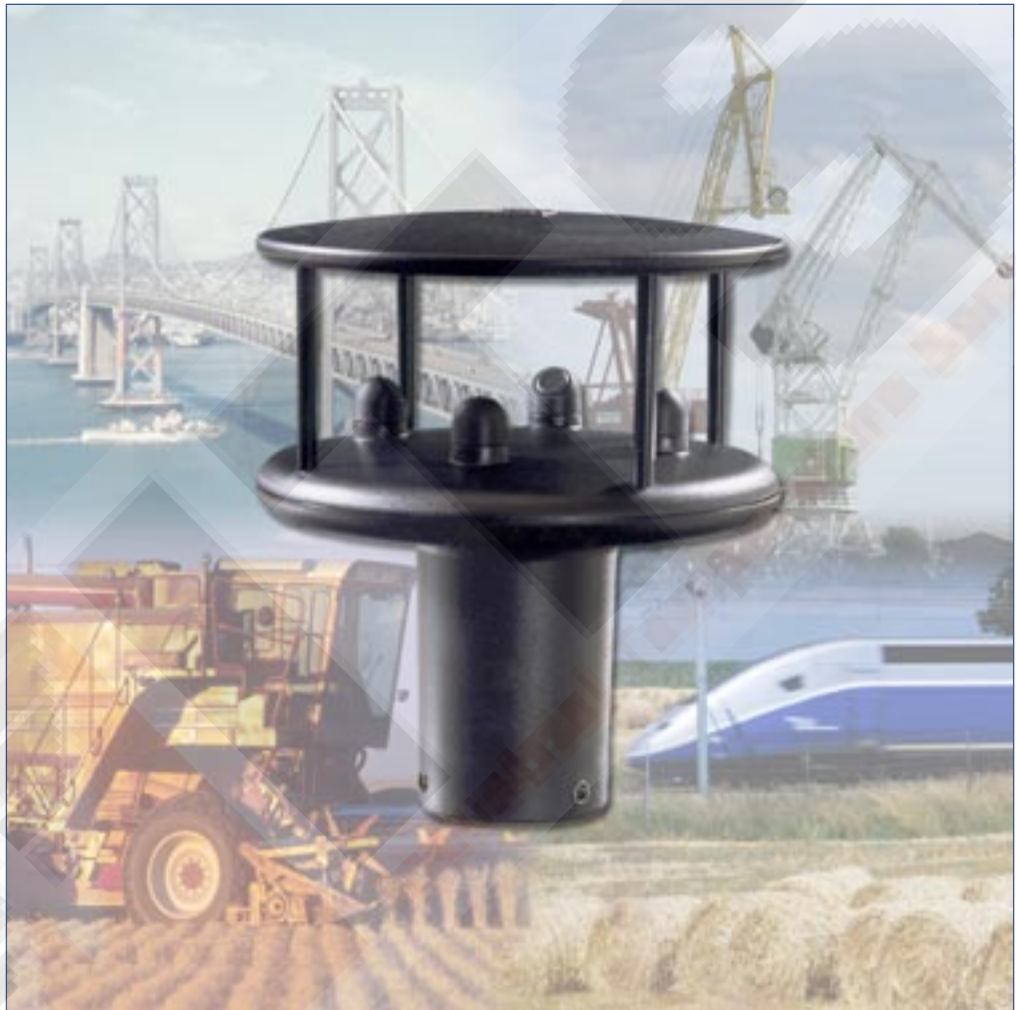


Wind Speed & Direction Sensor



WINDSONIC

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 - WindSonic from Gill Instruments. Utilising our expertise as the world's leading sonic manufacturer, WindSonic is based on our existing, highly successful, proven ultrasonic technology. Ideal for applications that demand economic wind sensing, WindSonic is suitable for land-based and marine environments.

A lightweight unit, WindSonic 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, WindSonic is a true fit and forget unit.

The flexible design enables you to easily configure WindSonic 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, WindSonic 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.

Maintenance free, quick and easy to install, WindSonic is designed to be mounted using a standard pole fitting and comes complete with all screw fittings, a mating marine grade connector and comprehensive user manual.

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

CUSTOMER SELECTABLE		ENVIRONMENTAL	
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	
Resolution	0.01 m/s (0.02 knots)	15 years	
WIND DIRECTION		MATERIALS	
Range	0 to 359° – no dead band	External Construction	LURAN S KR 2861/IC ASA/PC
Accuracy	+/- 3°	DIMENSIONS	
Resolution	1°	Size	142 x 160 mm
ANEMOMETER STATUS		Weight	0.45 kg
Message supplied as part of standard output		WARRANTY	
POWER REQUIREMENT		2 years	
Anemometer	9-30Vdc @ 14.5mA typical Start up time <1 second	OPTIONAL FACTORY CALIBRATION	
OUTPUTS		Traceable to national standards	
Option 1	RS232	ACCESSORIES	
Option 2	RS232 + RS422 + RS485 + NMEA*	Pipe Mounting	44.45 mm (1.75 in) diameter
Option 3	RS232 + RS422 + RS485 + NMEA* + 0-5V or 4-20mA	WindCom - Display & logging software *	
Option 4	SDI-12	Cables	
* NMEA 0183 Version 3		Display	

The WindSonic is part of the Solent range of ultrasonic anemometers. The range is in continuous development and therefore specifications may be subject to change without prior notice.

