

ULTRASONIC WIND SPEED & DIRECTION SENSOR



ALL WEATHER SENSING TECHNOLOGY

- *Two year warranty*
- *Maintenance free*
- *Low power consumption*
- *Robust construction*

Gill is the world's leading manufacturer of ultrasonic anemometers. We have been designing and manufacturing ultrasonic anemometers for over fifteen years and have developed the largest range of ultrasonic products available in the market today. Using robust, proven, ultrasonic technology our anemometers provide the highest reliability combined with low cost of ownership.

Our extensive range of ultrasonic anemometers have been specifically designed to operate in the worst of environmental conditions, including the measurement of wind speed and direction in

hazardous areas, in the petrochemical industry, naval ships, wind turbines, ocean data buoys and airport meteorological stations. Gill sensors are used in applications where the highest reliability is demanded.

The Gill WindSonic has no moving parts and does not require regular servicing, bearing replacement or calibration checks which are a requirement of cup & vane or propeller wind sensors. The units are supplied as standard with a self test routine that provides a continuous status code to confirm correct operation.

SPECIFICATIONS

CUSTOMER SELECTABLE		ENVIRONMENTAL	
Output	1, 2 or 4 outputs per second	Ingress Protection	IP65
Parameters	Wind Speed & Direction or UV	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 / C 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	
		Traceable to national standards	
OUTPUTS		ACCESSORIES	
Option 1	RS232	Pipe Mounting	44.45 mm (1.75 in) diameter
Option 2	RS232 + RS422 + RS485 + NMEA*	WindCom - Display & logging software *	
Option 3	RS232 + RS422 + RS485 + NMEA* + 0-5V or 4-20mA	Cables	
Option 4	SDI-12 + RS232	Display	
* NMEA 0183 Version 3		* download WindCom free from www.gill.co.uk	

WINDSONIC

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The Solent range is in continuous development and therefore specifications may be subject to change without prior notice.

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