GILL
INSTRUMENTS

WINDSONIC

ULTRASONIC WIND SPEED & DIRECTION SENSOR

ALL WEATHER SENSING TECHNOLOGY

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

WINDSONIC - ULTRASONIC WIND SENSOR

WINDSONIC

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	
Output	1, 2 or 4 outputs per second
Parameters	Wind Speed & Direction or UV
Units of Measure	m/s, knots, mph, kph, ft/min
WIND SPEED	
Range	0 – 60 m/s (116 knots)
Accuracy	+/- 2%
Resolution	0.01 m/s (0.02 knots)
WIND DIRECTION	
Range	0 to 359° – no dead band
Accuracy	+/- 3°
Resolution	1°
ANEMOMETER STATUS	
Message supplied as part of standard output	
POWER REQUIREMENT	
Anemometer	9-30Vdc @ 14.5mA typical
	Start up time <1 second
OUTPUTS	
Option 1	RS232
Option 2	RS232 + RS422 + RS485 + NMEA*
Option 3	RS232 + RS422 + RS485 + NMEA*
	+ 0-5V or 4-20mA
Option 4	SDI-12 + RS232

* NMEA 0183 Version 3

ENVIRONMENTAL	
Ingress Protection	IP65
Operating Temperature	-35°C to +70°C
Storage Temperature	-40°C to +90°C
Operating Humidity	<5% to 100%
EMC	EN 61000-6-2 : 2001
	EN 61000-6-3 : 2001
MTBF	
	15 years
MATERIALS	
External Construction	LURAN S KR 2861/1C ASA/PC
DIMENSIONS	
Size	142 x 160 mm
Weight	0.45 kg
WARRANTY	
	2 years
OPTIONAL FACTORY CALIBRATION	
	Traceable to national standards
ACCESSORIES	
Pipe Mounting	44.45 mm (1.75 in) diameter
WindCom - Display & logging software *	
Cables	
Display	

* download WindCom free from www.gill.co.uk

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