

Ultrasonic Gill WindSonic

Order-No: P 6022 - non heatable
P 6022 N - serial bus
P 6022 A - analog outputs

- Wind speed and wind direction sensor
- Output rate 1 Hz, 2 Hz or 4 Hz,
- Low start speed, start up time < 1 second
- Corrosion free, UV stable material
- No calibration required
- Robust construction
- True 0-359° operation (no dead band)



Description

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.

Specification Ultrasonic Gill Windsonic: P 6022 / P 6022 N /P 6022 A

Measurement:	
Output rate	1 Hz , 2 Hz or 4 Hz
Parameters	Windspeed & direction or UV (vectors)
Units	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 - 359° - no dead band
Accuracy	± 3°
Resolution	1°
Anemometer Status	Message supplied as part of standards output Start up time < 1 second
Power Requirement:	
Anemometer System	9 - 30 Vdc @ 14.5 mA typical
Digital Output:	
Option 1	RS232
Option 2	RS232 + RS422 + RS485 + NMEA*
Option 3	RS232 + RS422 + RS485 + NMEA* + 0-5 V or 4-20 mA
Option 4	SDI-12
Environmental:	
Ingress protection	IP 65
Operating temperature	-35...+70°C
Storage temperature	-40...+90°C
Humidity	< 5% to 100 %
Precipitation	300mm / hr
EMC	EN 61000-6-2 : 2001 EN 61000-6-3 : 2001
MTBF	15 years
Materials	External construction: LURAN S KR 2861/IC ASA/PC
Dimensions	Size 142 x 160 mm, weight 0.45 kg
Calibration	Optional factory calibration - traceable to national standards
Assessories	Pipe mounting: 44.45 mm (1.75 in) diameter, cables, Windcom display & logging software
Manufacturer	Gill