Ultrasonic Anemometer

Anemometer only 9-30 VDC (30mA @12 VDC)
Heating (optional) 3A @24 VAC or DC

Range 0 - 65 m/s (0-145mph)
Starting threshold 0.01 m/s
Accuracy ±2% @12 m/s
Resolution 0.01 m/s
Offset ±0.01 m/s

Range 0 - 360º Wind Direction
Dead band direction None
Accuracy ±2º @12 m/s
Resolution 1º

Ultrasonic output rate 1Hz, 2Hz, 4Hz, 5Hz, 8Hz or 10Hz
Parameters UV, Polar, NMEA, Tunnel
Units m/s, knots, mph, kph, ft/min
Average (Selectable) Rolling average - 1, 2, 10 m.n, Gust - 3s
Block average 0-3600s

Communication RS422/RS485 full duplex/half duplex
Baud rates 1200, 2400, 4800, 9600, 19200, 38400
Formats 8 bit data; odd, even or no parity
Anemometer status Supplied as part of standard message

The Gill WindObserver 65 is a precision, solid-state ultrasonic anemometer providing wind speed and direction data via a digital output and features an IP66 rated stainless steel housing, which is particularly suitable for use in saltwater environments.

This anemometer has an optional de-icing system enabling the sensor to operate effectively in environmental conditions experienced at high altitude or at sea and is recommended for use in aviation, marine and offshore applications.

Typical Applications

- Aircraft Landing Systems
- Marine Vessel Dynamic Positioning Systems
- Ports and Harbours
- Road and Rail Monitoring and Safety Systems

- Wind Turbine Control Systems
- Building Control and Structural Safety
- High Altitude Weather Monitoring
- Power Generation and Transmission Safety

Specifications may be subject to change without prior notice.

Note: Optional base mounts and cable exit options are available.
WindObserver Product Numbers Explained

<table>
<thead>
<tr>
<th>Product Code</th>
<th>B = Digital only</th>
<th>1 = Connector</th>
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</thead>
<tbody>
<tr>
<td>1390</td>
<td>65</td>
<td>2 = Cable Gland + 2m Cable</td>
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<tr>
<td></td>
<td></td>
<td>3 = Cable Gland + 10m Cable</td>
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<td></td>
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<td>4 = Cable Gland + 15m Cable</td>
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</tbody>
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1 = No Heating
2 = Standard Heating
3 = Base Mount Long
4 = Pipe Mount

Connection Options
Drawings below shown without base mounts

Base & Pipe Mount Options

Pipe Mount

WindObserver fitted with integral connector

Gasket (supplied)

Cable length options 2m, 10m & 15m

160mm (6.3") long tails

Base Mount Short

WindObserver fitted with cable gland and flying lead

Base Mount Long

All options are supplied with appropriate fixing screws and washers.