

# WINDDISPLAY



- DIGITAL OUTPUT
- OPTIONAL REMOTE BRIGHTNESS CONTROL
- 2/10 MIN AVERAGE
- MIN/MAX GUST
- M/S, KNOTS, MPH, KM/H AND BEAUFORT
- WIND VARIATION
- METEOROLOGICAL
- HYDROLOGICAL
- MARINE
- AVIATION
- INDUSTRIAL
- TRANSPORT
- CONSTRUCTION

The Gill Instruments digital WindDisplay is a combined wind speed and direction indicator available in two formats standard or marine. Wind speed information is displayed using two, 3 digit LED arrays to provide current wind speed and maximum or minimum gust data; and a double ring of 36 LEDs indicate current and average wind direction.

The WindDisplay has been designed to operate with the Gill WindObserver II and WindSonic wind sensors. WindDisplay receives data directly from the wind sensor in either Gill or NMEA mode without the need for additional interfaces. It provides the power supply for the wind sensor and can be "daisy chained" to a second wind display to transfer wind sensor information.

Depending upon the capacity and type of cable used data transfer is possible up to a distance of 1000m.

User configurable, WindDisplay can display wind speed in various scales, mph, m/s, knots, km/h and Beaufort. The power supply can also be configured to meet specific customer requirements.

A standard WindDisplay has 0°-359° scale whereas the marine version, designed for use on board ship, shows 0°-180° on both sides of the scale.

|                                     |   |  |   |
|-------------------------------------|---|--|---|
| <b>DISPLAY</b>                      |   | <b>INPUT</b>   |   |
| Speed Display                       | 3 digit, 7 Seg LED display, 14.3mm height | RS422 or NMEA for marine display (output from Gill anemometer) |   |
| Gust Display                        | 3 digit, 7 Seg LED display, 10.1mm height | <b>DIMENSIONS</b>  |   |
| Average                             | 2 minutes, 10 minutes                     | Size   | 144x144x94mm                            |
| Minimum and maximum gusts           |   | Weight   | 800g                                    |
| <b>WIND SPEED</b>                   |   | <b>ENVIRONMENTAL</b>   |   |
| Units                               | mph, m/s, knots, km/h, Beaufort           | Operating Temp   | -30°C to +60°C                          |
| <b>DIRECTION</b>                    |   | Moisture Protection  | IP40                                    |
| Direction display                   | 36 LED's circular, colour RED             | Humidity   | 5% to 90% RH                            |
| Direction average                   | 36 LED's circular, colour AMBER           | EMC  | BS EN 50081-1: 1992 (Emissions class B) |
| <b>POWER REQUIREMENT</b>            |   | <b>ACCESSORIES</b>   |   |
| Power supply                        | 220Vac, or 115Vac                         | Remote brightness facility                                     |   |
| <b>OUTPUT</b>                       |   |  |   |
| +15Vdc Sensor supply                |   |  |   |
| RS422 input with daisy chain output |   |  |   |
| Formats                             | NMEA 4800 Baud<br>GILL 9600 Baud          |  |   |

The WindDisplay 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.

