



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.

Key Features

- 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

Specification

Display

Speed Display	3 digit, 7 Seg LED display, 14.3mm height
Gust Display	3 digit, 7 Seg LED display, 10.1mm height
Average	2 minutes, 10 minutes
Offset	±0.01 m/s
Other	Minimum and maximum gusts

Wind Speed

Units	mph, m/s, knots, km/h, Beaufort
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Direction

Direction display	36 LED's circular, colour RED
Direction average	36 LED's circular, colour AMBER

Input /Output

Input	RS422 or NMEA for marine display (output from Gill anemometer)
Output	+15Vdc Sensor supply RS422 input with daisy chain output
Formats	NMEA 4800 Baud GILL 9600 Baud

Power Requirement

Power supply	220Vac, or 115Vac
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Mechanical

Size	144 x 144 x 94mm
Weight	800g

Environmental

Humidity	5% to 90% RH
Operational Temperature	-30°C to +60°C
Moisture Protection	IP40
EMC	BS EN 50081-1: 1992 (Emissions class B)

Accessories

Remote brightness facility

Approvals

EEx ia IIC T5 Complies with ATEX directive
