WindView

User Manual

gillinstruments.com

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1. Overview

Gill Instruments provide a free of charge software package called WindView to enable the data provided by Gill Anemometers to be viewed and logged. WindView is compatible with Windows 7, 10 and 11.

WindView software can be downloaded from www.gillinstruments.com.

WindView cannot be used to change the anemometer configuration. See the User Manual for your instrument for configuration information.

WindView is only compatible with instruments using the GIll ASCII protocol.

2. Using WindView to connect to a Gill Anemometer

To use WindView:

1. Download WindView from gillinstruments.com
2. Install WindView on your PC

3. Open WindView – it may appear in a "Gill" program folder
4. Connect the Gill Anemometer to your PC via a suitable serial to USB adapter - Gill recommend using the FTDI chipset
5. Click on "File" in the Menu Bar at the top left of the screen

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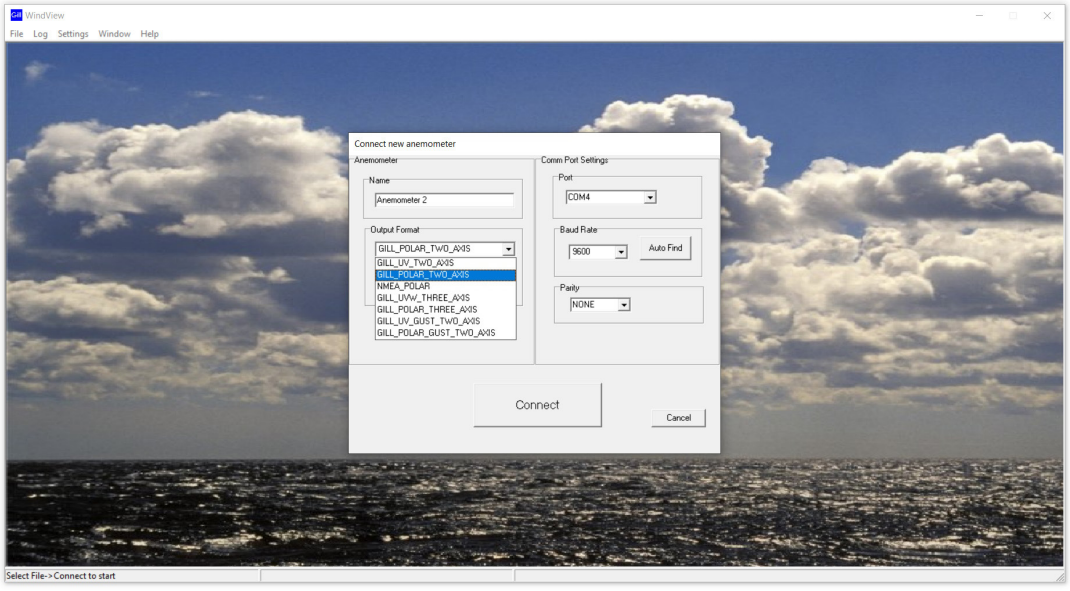
6. Click on "Connect…"
7. In the Name field, type a name for the device
8. In the Output format field select the correct format based on the anemometer configuration
9. In the COM Port field, select the port that is connected to the Anemometer (possible ports used can be found by opening the PC device manager and expanding the "Ports (COMS & LPT)" section)
10. Select the required Baud rate from the drop-down list.
11. Parity and stop-bit settings should match the instrument's configuration.
12. If the Baud rate setting of the Anemometer is unknown, then the Auto Find button can be used to interrogate the Anemometer and detect the required setting.



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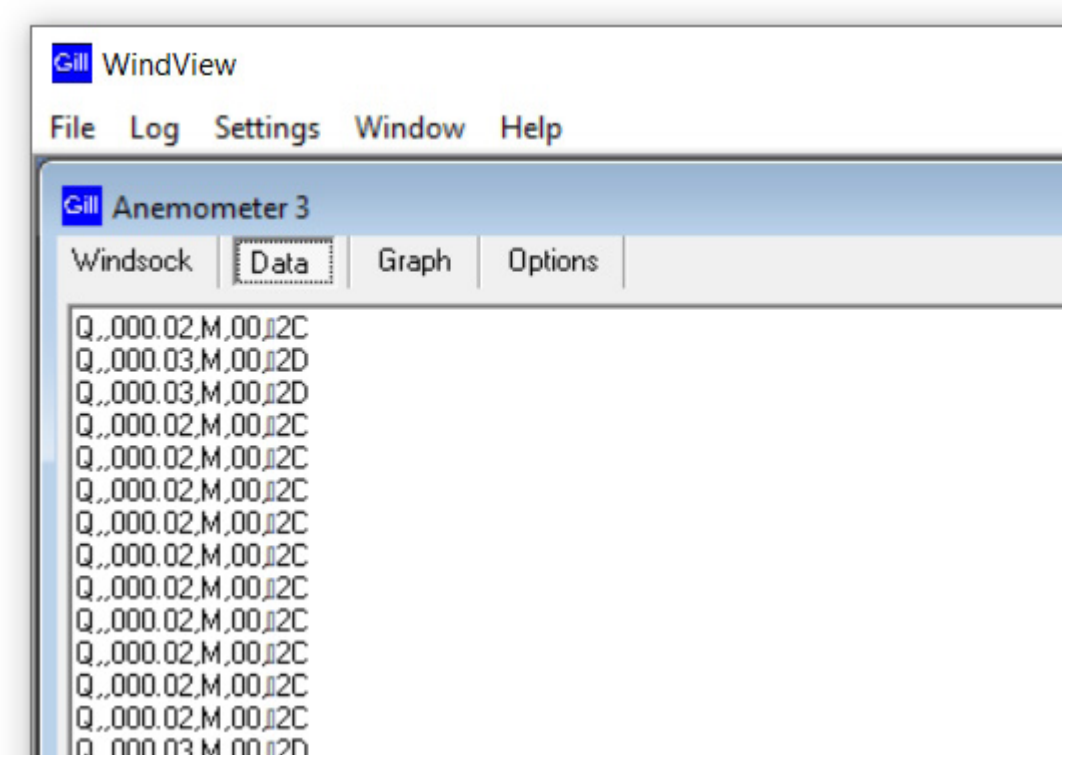
13. Click on the Connect button.
14. The data screen shown below will be displayed. This screen contains the data currently being provided by the Anemometer. Alternative displays (windsock or graph) can be selected by clicking on the appropriate tab.



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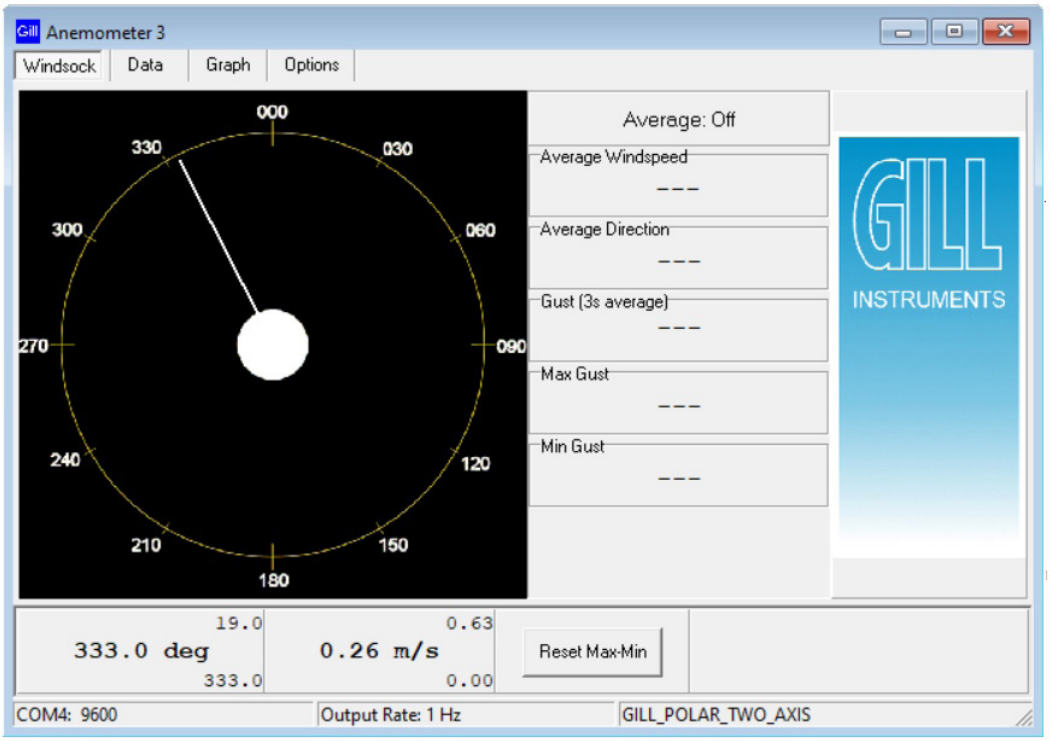
3. WindSock Function

Click on the WindSock button to give a Direction display and digital readout of Direction and Wind Speed.

On screen Maximum and Minimum readings of Wind speed and Directions are also displayed digitally and can be reset using the Reset Max/Min button.

To change displayed units select the required measurement units. If for instance the sensor data was outputting metres per second data then WindView performs the calculation to convert and display the output in knots/mph/kph etc.



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4. Additional WindView features

WindView contains a number of additional features that can be used to

- Change the way the data is presented
- Allow the data to be logged for future analysis
- Allow an alarm to be activated if certain conditions occur

Alternative Data Displays

In addition to displaying the data in Numeric, Windsock or Graph formats, it is possible to adjust the scale of the display and some elements of the presentation. To make these adjustments select the Settings Menu in the Menu Bar at the top of the WindView screen, and select

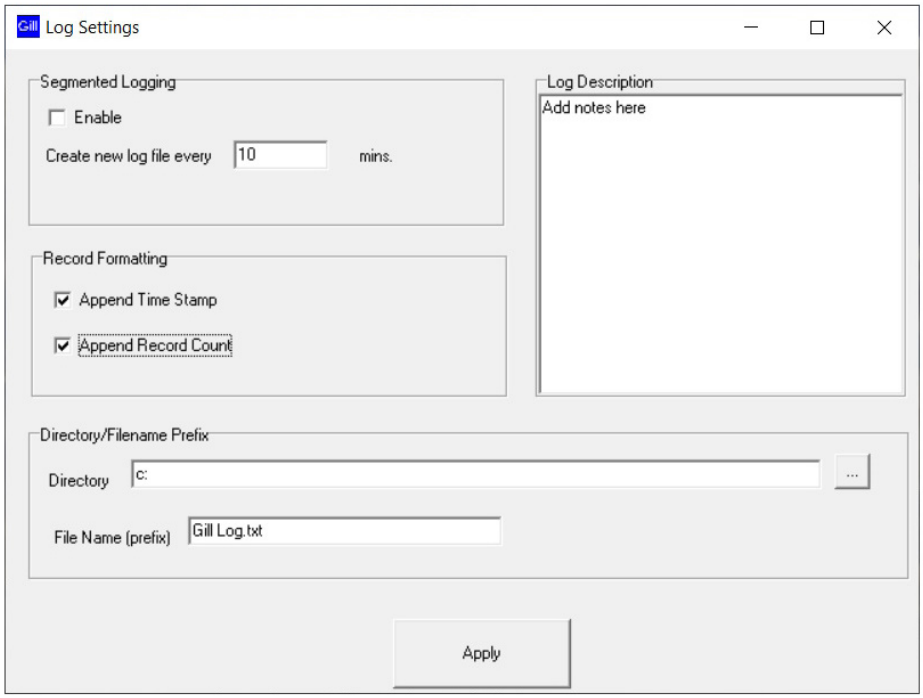
- Units
- Display Mode
- Graph
- Windsock

to make the adjustments required. Once a selection is made, the available options will be displayed

5. Logging Data

The data provided by the instrument can be saved to a file for future use or analysis.
To name and set up the file

1. Select Settings in the Menu Bar at the top of the WindView screen.
2. Select Logging from the drop down menu
3. Use the window displayed to set the size, format, location and description for the output file



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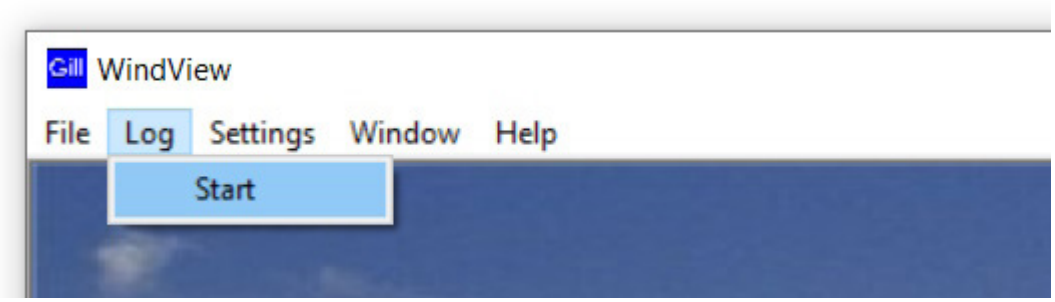
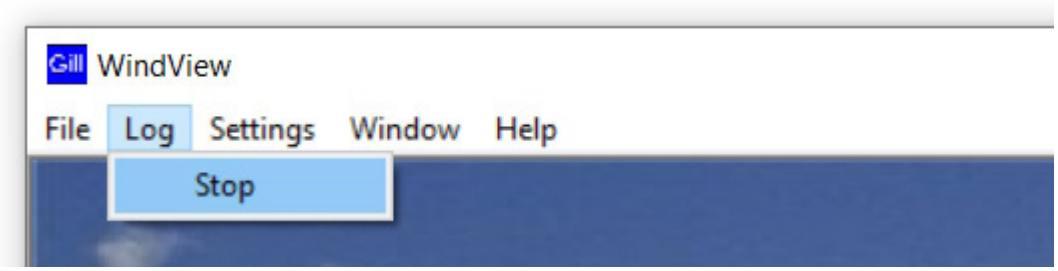
4. To start logging click on Log in the Menu Bar and click on Start



5. To stop logging click on Log in the Menu Bar and click on Stop



6. Setting Alarms

The data provided by the Gill Anemometer can be used to provide an alarm if a threshold is exceeded.
To configure the alarm

1. Select Settings in the Menu Bar at the top of the WindView screen.
2. Select Alarm from the drop down menu
3. Select the trigger condition (tick Enable in Windspeed Alarm or Direction Alarm)
4. Select the conditions under which the alarm should be activated
5. Select the type of alarm required
6. Click on Apply

Note: The alarm needs to be reset once the trigger condition has been met and the alarm activated

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