

# Wind Speed Sensor SolData 110wss

110wss-Wind Speed Sensor.wpd

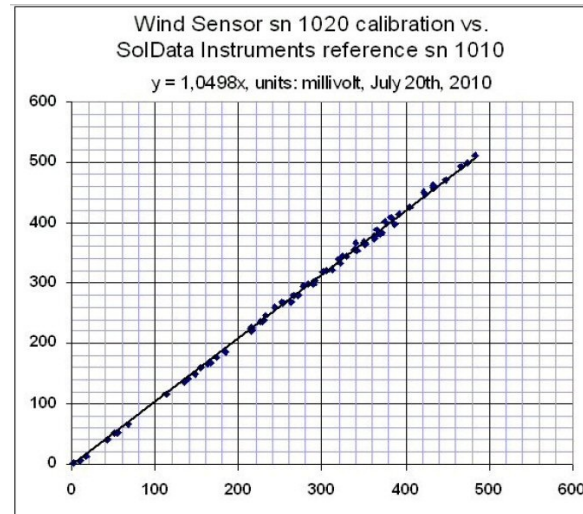


The SolData 110wss Wind Speed Sensor is manufactured by Th. Friedrichs in Germany.

## Specifications

Wind speed range: 0-35 m/s  
Max. loading: 60 m/s  
Threshold: 1.2 m/s  
Weight: 120 gram  
Connection: IP67  
Operating temp.: -30° to +65°C  
Diameter: 100 mm  
Height: 127 mm  
Output: voltage  
Non-heated, no power required.

## Calibration sample



Wind sensor sample calibration against reference standard. Each instrument is supplied with a calibration document.

The 1020tfc wind sensor manufactured by Theodor Friedrichs & Co. has been calibrated against an identical instrument which was tested in a wind tunnel by Friedrichs & Co. in accordance with ISO-9001 certification standards.

Figure 1 shows the comparison between your instrument and the calibration reference. SolData Instruments calibration checks each instrument in this manner before delivery to our customers.

## Calibration setup



Calibration setup: test instrument and reference instrument are mounted on a moving vehicle.

The Wind Speed Sensor is supplied with a 3 meter connection cable. The polarities are:

**blue lead:** positive signal output  
**black lead:** signal ground

These leads can be connected to the 0 - 1 volt voltage input of a data logger or to a display instrument. The connecting lead can be up to 20 meters with appropriate shielding.