



The pre calibrated BroadWeigh anemometer provides visibility of wind speeds, on site in real time

Introduction

When rigging outdoor structures understanding the influence of wind loading is of upmost importance. With this in mind the development of the BW-WSS allows users to monitor wind speed in conjunction with actual loads in one simple monitoring system. The BW-WSS measures wind speeds over the range of 5 to 125 mph and can be configured to provide readings in a number of standard units including mph, fps, Km/h and m/sec.

The wind speed sensor features a high quality 3-cup rotor pressed on a stainless steel shaft with rugged Delrin body with bronze Rulon bushings. Housed in an IP65 case.

The BW-WSS is powered either from internal batteries or an external supply.

Specification at a Glance

- Powered by 2 x D cell batteries or external power
- Power saving mode
- Range of 200 m (650 ft)
- Range of measurement 5 to 125 mph
- Units: mph, fps, Km/h and m/sec
- IP65 / NEMA 4 rated enclosure dimensions 160 x 80 x 55 mm (excluding glands)

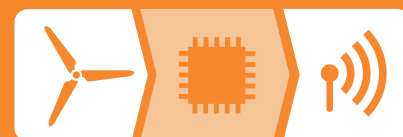


User Benefits

- Easy to use
- Variable sampling
- Supplied pre calibrated
- Long battery life
- Robust fixing bracket
- Free software

Ideal Application

- Theatre & Events
- Outdoor Events
- Concerts
- Conferences / Trade Show



Related Product



BW-HR Handheld Wireless Display
LCD reading from an unlimited number of strain gauge, current, voltage, temperature, pulse and potentiometer acquisition modules



BW-SHK Shackle
BroadWeigh wireless 4 ¾ ton Crosby Safety Bow Shackle



BW-BSue
Extended range wireless radio telemetry USB Base Station



BW-AR
Active repeater to extend wireless range or coverage

Related Software



BW-Toolkit
Software used to calibrate and configure your devices



BW-LOG100
Extended range wireless radio telemetry USB base station

Case Study

The Application:

An outdoor events company were using a stage which had been designed with a canvas canopy mounted above the top of the stage.

It was critical for the events manager to be able to monitor the stability of the canopy throughout the event, as a high wind could exert a force on the canopy which could prove dangerous.

The Solution:

A WSS unit was attached to the top of the stage and powered using internal batteries. The unit was used to monitor the wind speed throughout the event on a wireless Broadweigh handheld. Giving the events manager portable visibility of wind speeds at a glance.



CE & Environmental

Storage temperature	- 40 to +85°C
Operating temperature	- 40 to +85°C
Relative humidity	95% maximum non condensing
IP Rating	IP65 / NEMA 4

CE Environmental Approvals

European EMC Directive	2004/108/EC
Low Voltage Directive	2006/95/EC

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