

**NEW
&
IMPROVED**

The BroadWeigh wireless Crosby shackles feature a high accuracy load-pin and integrated electronics to allow real time load monitoring without the need for time consuming and costly cabling

Introduction

The BroadWeigh portable wireless system offers real-time, simple, effective and accurate load monitoring for rigging professionals, safety officials and site managers, enabling them to monitor and log the precise loads on any given rigging point.

The system provides static and dynamic loads in real-time to ensure no point is overloaded. Simple and comprehensive in nature, the wireless system offers quick and easy set up.

Incorporating the market leading Crosby shackle and a high accuracy load pin with a unique small head height design, the system provides up to 800 metres wireless range. BroadWeigh can be expanded to suit individual requirements by simply adding additional load cells. No need to return to factory.

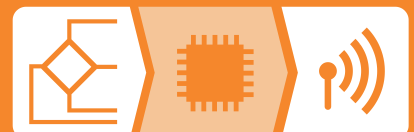
Specification at a Glance

- Wireless range up to 800 m (2600 ft)
- 4 ¾ and 3 ¼ Ton Crosby shackles with integrated electronics
- 5:1 Safety factor
- Anti-rotational bracket
- Accuracy of $\pm 1\%$ of current load or ± 25 Kg, whichever is the greater value
- Fully weatherised (IP65)



Features & Benefits

- Increased range for secured transmission
- Zero trim shackle
- Easy to use
- Smarter diagnostics
- Can be linked to a variety of BroadWeigh peripherals
- Supplied pre-calibrated
- Easily expandable system (No need to return to factory for additional shackles)
- Stylish & durable enclosure
- Free 100 channel software



Related Products



BW-HR Handheld Wireless Display
LCD reading from an unlimited number of BroadWeigh shackles



BW-WSS Anemometer
Wireless wind speed sensor



BW-BSue
Extended range wireless radio telemetry USB Base Station

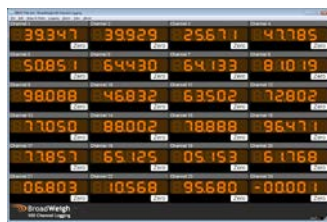


BW-AR
Active repeater to extend wireless range or coverage

Related Software



BW-Toolkit
Software used to calibrate and configure your devices



BW-LOG100
Free data logging software package for advanced monitoring up to 100 channels

Case Study

The Application:

Fire curtains are a key part of fire safety in any theatre and the ability to rapidly drop-in and pull-out the curtain not only offers safety to audience members in case of fire but also the facility to reset the curtain quickly in case of false triggering with minimal disruption to a performance. Fire curtains by their nature are very heavy and understanding the dynamic loading effects of moving such a weight at speeds is critical to designing an effective hoist system.

The Solution:

In order to understand the loads involved in moving the fire curtain, a BroadWeigh shackle was rigged into the hoist line of the curtain.



The BroadWeigh shackle was set to transmit readings at a rate of 50 samples per second, to capture peak loads, and the data from the shackle was collected through a USB base station attached to a PC

running display and logging software. The data could be simultaneously viewed on the handheld provided in the kit.

CE & Environmental

Storage temperature	- 40 to +85°C
Operating temperature	- 10 to +50°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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