BroadWeigh

BW-S325 & BW-S475

Wireless Crosby Safety Bow Shackle

The BroadWeigh wireless Crosby safety bow 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

Designed to aid rigging professionals on a daily basis, the BroadWeigh™ portable, wireless shackles offer simple, real-time, effective and accurate load monitoring and enables users to know precise loads on any given point therefore ensuring structures and rigging points are balanced and accurately monitored.

In the past this has been especially difficult to ensure, especially in dynamic loading situations where moving components such as hoists and moving head lights create previously unknown peak loads.

User-friendly, wireless handheld provides load monitoring at your finger tips within 200 metres of any shackle. Knowing the loads on your rig at all times offers peace of mind in avoiding overload situations leading to costly accidents.

Specification at a Glance

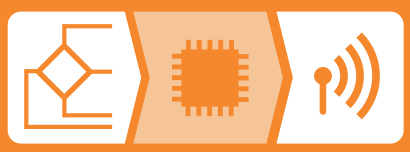
- 4 ¾ and 3 ¼ Ton Crosby safety bow shackles with integrated electronics
- 5:1 Safety factor
- Anti-rotational bracket
- Accuracy of ±1% of current load or ±25 Kg, whichever is the greater value
- Wireless range up to 200m (650 ft)
- Fully weatherised (IP65)

User Benefits

- Easy to use
- Can be linked to a variety of BroadWeigh peripherals
- Supplied pre calibrated
- 100 channel software
- Zero trim shackle

Ideal Application

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



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-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

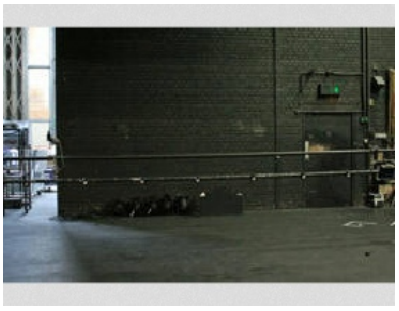
BW-Toolkit
Software used to calibrate and configure your devices

BW-LOG100
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 +85ºC
Operating temperature	- 10 to +50ºC
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

For more information contact us today...

www.broadweigh.com
info@broadweigh.com
Devon, EX5 2JB, UK
T: +44 (0) 1395 232020
F: +44 (0) 1395 233190

Industry Canada
Industrie Canada

Designed, manufactured and supported in the UK

ISO 9001 REGISTERED FIRM

In the interests of continued product development, Mantracourt Electronics Limited reserves the right to alter product specifications without prior notice