2.4 GHz
Wireless Load Monitoring

**Wireless, robust, and engineered for the live events industry.**

BROAD WEIGH

# WIRELESS LOAD SHACKLES

# BW-S325
# BW-S475
# BW-S900




broadweigh.com

High accuracy load-pin and integrated electronics for real-time load monitoring without the need for costly, time-consuming cabling. From small set pieces to stadium roof points, Broadweigh wireless load cells meet every rigging challenge—now with the BW-S900 9000kg variant for the heaviest lifts. Trusted worldwide, they deliver real-time load data with accuracy and reliability. **KNOW MORE. DO MORE**

## KEY FEATURES & APPLICATION BENEFITS:

- Gen 3 available in 3.25, 4.75, and 9 tonne options
- Smart Sleep protects battery life whilst monitoring
- Comfortable in the most challenging RF environments
- Easy power cycle with one swipe using new magnetic fob
- Custom BS EN 13889 bows brings superior tolerances, finish & durability
- Unit conversion for kg, lbs, tonnes, ton, ton (US), kN
- Fully weatherised (IP67)
- Machinery Directive 2006/42/EC compliant
- Zero Trim Shackle
- 5:1 safety factor
- Anti-rotational bracket
- Supplied pre-calibrated

## SIZES & VARIATIONS

**BW-S325**
Compact
3250kg WLL, ideal for smaller chain hoists and lighter weight in tight spaces. Fitted with Micro Bobbin for easier hook attachment.

**BW-S475**
Versatile
4750kg WLL, the industry workhorse for a wide range of live event applications.

**BW-S900**
Heavy-duty
9000kg WLL, designed for the most demanding lifts, arena roof points, and large-scale tours.

**BW-S475-TL**
Twist Link

This piece of kit allows a 4.75-tonne Broadweigh shackle connect quickly to 3.25- or 4.75-tonne shackles without removing the pin, nut, or R-clip. Its 90° holes minimises torsional loading and Conforms to European Machinery Directive.




broadweigh.com

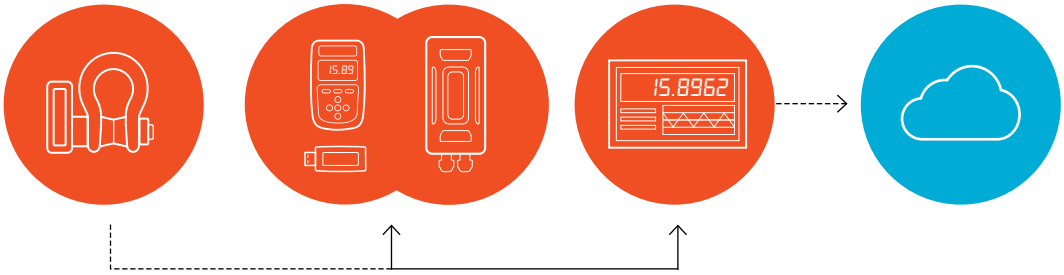
## SYSTEM FLOW

Shackle (sensor)

Handhelds + Base stations

Laptop Software

Cloud monitor SensorSpace




**Flexible output options:**

- Local
- Desktop
- Cloud

All supported within the Broadweigh ecosystem.

## TECHNICAL SPECIFICATIONS

| **MEASUREMENT** | **SPECIFICATION** | |
|---|---|---|
| Accuracy Weight Range (WLL) | BW-S375/BW-S475 /BW-S475-TL | Typically ±1% of load or ±25 kg (whichever is greater) |
| | BW-S900 | Typically ± 1% of current load or ±50 kg (whichever is the greater value) |
| Weight Range (WLL) | 3,250, 4,7500 or 9000 kg | |

| **BATTERY LIFE** (one update per second) | |
|---|---|
| 2x AA Duracell: asleep | 5+ years |
| 2x AA Duracell: continuous | 3 months |
| 2x AA Duracell: 8 hours a day | 8 months |
| 2x AA Duracell: 2 hours a day | 2.5 years |

| **ENVIRONMENTAL** | |
|---|---|
| Operating temperature range | -20 to 55 °C |
| Storage temperature range (no batteries) | -40 to 85 °C |
| Humidity | 95% RH |
| IP rating | IP67 |

## ACCESSORIES & INTEGRATION

| MODEL | | MODEL | |
|---|---|---|---|
| **BW-WSS**<br>Wireless Wind Speed Sensor |  | **BW-HK-S**<br>Wireless Handheld Display Standard |  |
| **BW-BSd**<br>Wireless USB Base Station Dongle |  | **BW-WMI**<br>Wireless Warning Module |  |
| **BW-BSue**<br>Wireless USB Base Station |  | **BW-AR**<br>Wireless Active Repeater Module |  |
| **BW-BSi**<br>Wireless Base Station Interface |  | **BW-RMI**<br>Wireless Relay Module |  |

# READY TO GO WIRELESS?

**VISIT BROADWEIGH.COM:**

- Download datasheets and integration guides
- Request a live demo or trial kit
- Contact our product specialist

**Broadweigh**
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