



PS RIG



LOAD MONITORING

—
DYNAMIC WIRELESS
LOAD MONITORING



Wireless Load Shackles - Load Monitoring

High accuracy load-pin and integrated electronics for real-time load monitoring without the need for costly, time consuming cabling.

This smart piece of kit allows a 4.75 tonne Broad-Weigh shackle to be quickly connected to 3.25 tonne or 4.75 tonne shackles without having to mess around with the pin, nut and Rclip. It has holes at 90 degrees to minimise potential torsion loading in the load pin and to maintain accurate measurement and also conforms to the European Machinery Directive.



FEATURES

- Allows quick & easy connection
- Minimises torsional forces
- Ideal for temporary / short term installations where speed is of the essence
- Leaves more space in the shackle body to allow larger hook / tackle connection
- Aerospace graded stainless steel
- WLL of 4750 kg
- Conforms to European Machinery Directive
- Fits into our custom flight cases with no dis-assembling



MEASUREMENT

| | |
|--------------------|--|
| Accuracy | Typically $\pm 1\%$ of load or ± 25 kg, whichever is greater |
| Weight Range (WLL) | 4750 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 | P67 |

ARTICLE CODE

- 804-251101 BroadWeigh Wireless 4¾ ton. Crosby Safety Bow Shackles
- 804-251102 BroadWeigh Wireless 3¾ ton. Crosby Safety Bow Shackles



Wireless Handheld Display 804-252101

Wireless BroadWeigh handheld for viewing an unlimited number of modules, providing an 8 digit LCD reading



Wireless BSD 804-252102

The portable BroadWeigh dongle base station offers line of sight range of up to 500 m and is ideal for use with laptops and tablets



Wireless USB Base Station 804-252103

The BroadWeigh BSue base station is provided with a rugged IP67 housing and an increased range of up to 800 m (2600 ft)



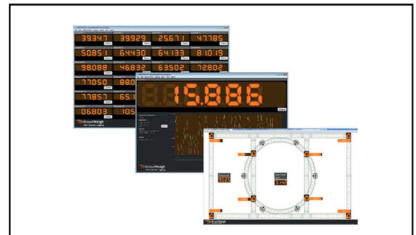
Wireless Wind Speed Sensor 804-252104

Pre-calibrated wind speed sensor provides both realtimedisplay and full logging of wind speeds. With user defnabe sampling rates and easy wireless installation, this anemometer makes an ideal choice for general wind speed monitoring and action planning for outdoor events



Wireless Active Repeater 804-252105

The BW-AR is an active repeater designed to increase or extend rangeand overall coverage of BroadWeigh shackles



Logging & Viewing Software 804-252112

With up to 100 channels using BroadWeigh wireless shackles or wind speed sensors – view, log and browse data on demand with visual



Flight Case A 804-252106

Custom made flight cases designed to securely hold 4 inserts.



Flight Case B 804-252107

Custom made flight cases designed to securely



Flight Case Inserts

804-252108 (A) Insert to fit 4 x 4.75t shackle hold 2 inserts.

804-252109 (B) Insert to fit 4 x 3.25t shackle

804-252110 (C) Insert to fit BW-HR, BWBsue, BW-USB, BW-AR

804-252111 (F) Insert to fit 2 x wind speed sensors hold 2 inserts.



4

DYNAMIC WIRELESS LOAD MONITORING SYSTEM





TRANSMIT LOADS OVER **BLUETOOTH**

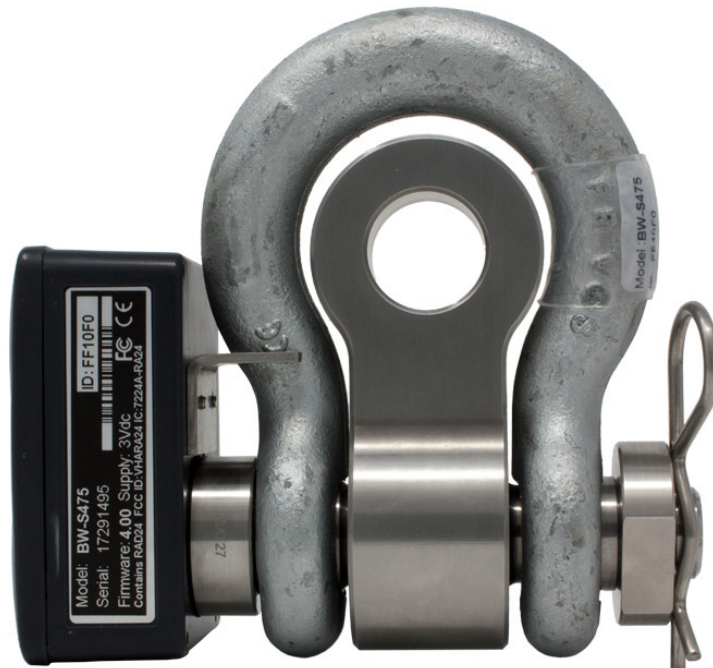


5

INTRODUCING BROADWEIGH BLUE 3.25 TONNE LOAD SHACKLE

Broadweigh new product release will take advantage of the latest Bluetooth Low Energy 4.0 technology to provide close range monitoring direct to our BroadWeigh Blue App. A lower cost option for smaller, static applications, this load cell and App require no other accessories.

ORDER NOW!
www.psrig.com





SENSORS – LOAD CELL

TWISTLINK LOAD SHACKLE

BW-S475-TL

High accuracy load-pin with integrated TwistLink for quick connection to 3.25 tonne or 4.75 tonne shackles



FEATURES

- Allows quick & easy connection
- Minimises torsional forces
- Ideal for temporary / short term installations where speed is of the essence
- Leaves more space in the shackle body to allow larger hook / tackle connection
- Aerospace graded stainless steel
- WLL of 4750 kg
- Conforms to European Machinery Directive
- Fits into our custom flight cases with no dis-assembling

This smart piece of kit allows a 4.75 tonne BroadWeigh shackle to be quickly connected to 3.25 tonne or 4.75 tonne shackles without having to mess around with the pin, nut and Rclip. It has holes at 90 degrees to minimise potential torsion loading in the load pin and to maintain accurate measurement and also conforms to the European Machinery Directive.

SPECIFICATIONS

MEASUREMENT

| | |
|--------------------|--|
| Accuracy | Typically $\pm 1\%$ of load or ± 25 kg, whichever is greater |
| Weight Range (WLL) | 4750 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 | P67 |

SALES OFFICE & WORKSHOP
MALMGATAN 18
SE-602 23 NORRKÖPING
+46 10 211 50 50

SALES OFFICE
SKVADRONSGATAN 6A
SE-217 52 MALMÖ
+46 72 164 00 22

PROFESSIONAL STAGE ENGINEERING



www.psrig.com



info@psrig.com



[/psrigswe](https://www.facebook.com/psrigswe)



[/company/psrig](https://www.linkedin.com/company/psrig)



PSRIG