

Bogie Weighing Systems



Patent Approved

STATIC, INDIVIDUAL WHEEL WEIGHT, TRAIN WEIGHING SYSTEM

Weighwell Engineering Ltd were the first company to provide portable train weighing systems. Today with over 28 years experience and knowledge we continue to be the industry leaders with 100's of systems worldwide.

The portable Bogie Weighing Systems are x2 or x3 PTW units and an ideal solution for weighing locomotives and railcars. This type of rail scale will weigh **2 axle** or **3 axle** bogies instantly.

The PTW indicator and ptwX software provide 'real-time' weighing data. Weighing information is provided on individual wheels, axles and railcars which allows the user to establish if weight distribution is even.

The safety of passengers is of paramount importance and very rarely are railcars perfectly balanced. The consequences of an imbalance of weight could be increased wear to the vehicles with possible issues relating to safety and loading symmetries.

KEY BENEFITS OF THE PTW BOGIE WEIGHING SYSTEM

- A key interface with our industry leading ptwX train weighing software or PTW Indicator.
- Eliminates the need to install expensive weighbridges.
- Saves time and costs.
- Portable, quick and easy install.
- Can be used for bogie changes, maintenance facilities and train overhauls.
- Factory pre-calibration eliminates the need for transportation of test weights or calibrated wagons.
- The load cells are sealed so that reliable operation is possible.
- Achievable accuracy of +/- 1% dependent on site conditions.

The Portable Train Weigher (PTW) for twin and triple axle bogie weighing is an excellent investment in terms of safety, accuracy and potential cost savings.

The use of multiple PTW units and bespoke reporting options provide unrivalled flexibility and accuracy. With systems available for hire or purchase, the PTW will satisfy any budget.

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MAIN KEY FEATURES

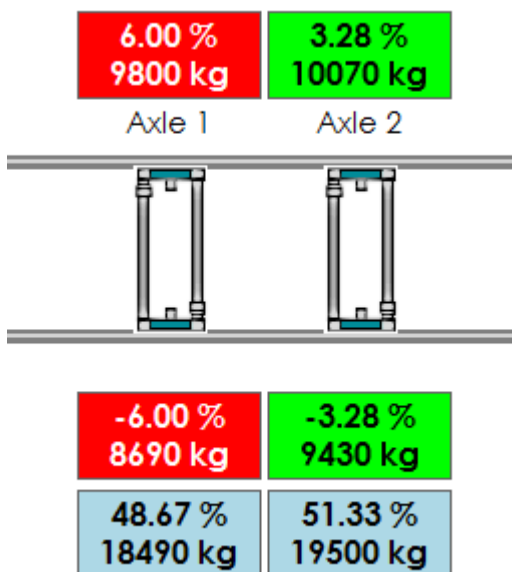


Our PTW allows for greater flexibility without the need to remove rail fastenings due to its length of only 500mm. This results in a more convenient installation and less 'flexing' of the system. The benefits of this are more accurate, repeatable and reliable weighing results.

TECHNICAL SPECIFICATION

- **Length of PTW:** 500mm.
- **Approximate weight:** 34kg (heaviest section).
- **Maximum capacity:** 60000kg (2 axle bogies) or 90000kg (3 axle bogies).
- **Weighing capacity:** 15000kg per wheel (30000kg per axle).
- **Increment size:** 10kg.
- **Materials:** High quality tool and mild steels.
- **Temperature range:** -30°C to +70°C.
- **Power supply:** 110 - 240VAC / 12VDC.
- **Protection class:** IP67.
- **Mounting:** Rail keys to fit most rail types.
- **Accuracy:** +/-1% dependent on site conditions.

PTWX SOFTWARE



Our intuitive, multilingual ptwX train weighing software is designed and developed in-house and provides real time 'live' displays. Multiple customisations such as weighing units and information on weight differentials are also available

PTW INDICATOR



The PTW indicator provides instant weighing results via printout or CSV file. Operating via three main screens the robust and IP65 rated indicator provides easy to use functions and immediate weighing information.

*The PTW is not trade approved and specifications subject to change.