



WEIGH-IN MOTION WIMBRIDGE (WIM-1000)

Affordable Stand Alone Axle Weighing



Sasco is a dynamic weighing solutions focused company which procures and supports a leading range of globally sourced industrial weighing technologies. Sasco has the highest metrological ranking of any Southern and Central African company, and as a result of our experience gained through 100 years of operation, we are uniquely positioned to specify and supply optimal weighing equipment, automation and weighing information data solutions to Southern and Central Africa's leading industrial companies. Sasco reputation has been built on innovation and choice underpinned by professionalism, modernity and experience.

GENERAL

The Weigh-in Motion Wimbridge is an important product within Sasco's range of Truck Weighing solutions. Other products within Sasco's truck weighing range which offer a similar solution, include WIM-1000 multi deck weighbridges, group axle weighers and weigh pads.

The Wimbridge is the optimal solution for facilitating stand- alone axle weighing and total loading compliance. The Wimbridge is cost effective, compact, accurate, and stand alone.



PRODUCT OVERVIEW

The Wimbridge comprises a steel deck of approximately 3 sqm which is mounted flush in the ground. The concrete civil works around the deck are therefore straight forward but it is important the approaches to the Wimbridge are of a hard surface and are level. The Wimbridge is robust and can accommodate axle loadings of up to 30T per axle which is exceptionally strong.

Vehicles of any length can be weighed on the Wimbridge and this is done in motion at a speed not exceeding 5 kmph. Once the weighing is completed, vehicle total weight and group axle weights data will be generated.

Under normal operating conditions, the weighing performance of the Wimbridge has been validated through formal metrological testing to be as follows:

| APPROACH SPEED | PERCENTAGE ACCURACY ON TOTAL WEIGHT | PERCENTAGE ACCURACY ON AXLE GROUP |
|----------------|--|--------------------------------------|
| 3 Kmph | >99.0% | >97.5% |
| 5 Kmph | 99.0% | 97.5% |

INSTRUMENTATION

The Wimbridge is ideal for Users who do not plan to do high volumes of weighing.

The WIM-1000 is a manned system. The indicator is the SW 1000 which comprises an indicator, printer and rechargeable battery all enclosed in a hard plastic case powered combined indicator, printer.

No computer is required. The print format is total weight and each axle group weight.

The SW 1000 is simply plugged into the Wimbridge when weighing's are required. The SW 1000 provides for the manual down loading of weighing data stored on the SW 1000. The configurations of the horse and trailer must be selected manually on the indicator prior to weighing.

APPLICATION EXAMPLE

Company A is a timber plantation owner. There are 3 exits from the planation onto a national road. Depending on the felling cycle trucks use one of these exits from time to time. There is no power at these locations. Approximately 30 trucks leave the plantation every day carrying logs to a timber mill 75 km away.

The optimal solution is the WIM-1000, with the installation of three Wimbridge, one at each of the field exits.

Depending on which one is being used Company A simply plugs the SW 1000 indicator onto the appropriate Wimbridge at the relevant exit. A person selects the correct truck configuration, then requests the truck to weigh, and then generates a weighing ticket. Weighing tickets are printed directly from the SW 1000. At the end of the day the stored weighing data is downloaded from the SW 1000.

TECHNICAL SPECIFICATIONS

| | WIM - SA |
|-----------------------------------|-----------|
| Deck Width | 3.2m |
| Deck Length | 0.76m |
| Required Length of Level Approach | 7m |
| Number of Load Cells | 4 |
| Maximum Weighing Speed | 5kmph |
| Minimum Weighing Speed | 2kmph |
| Weight Accuracy at Maximum Speed | 99% |
| Weight Accuracy at Minimum Speed | >99% |
| Maximum Number of Axle Groups | 4 |
| Maximum Vehicle Length | Unlimited |
| Weighing Indicator or Integrator | SW 1000 |
| Manned or Unmanned | Manned |
| PC Required | No |
| Mains Power Required | No |
| Printer Required | Inbuilt |
| Total Weight Generated | Yes |
| Axle Weights Generated | Yes |
| RTA Compliant Ticket Generated | No |
| Vehicle Weighing Speed Provided | No |
| Download of data possible | Yes |
| Compliant SOLAS Ticket | No |

SMART SUPPORT 0861 422 134 OR +27 83 680 0722

E-mail: info@sascoafrica.com Web: www.sascoafrica.com 24 hours, 7 Days a week **Group Support Head Office:** 2 Blackburn Street Apex Industrial Benoni **Phone:** +27 (0) 11 746 6000 **Fax:** +27 (0) 11 746 6100

This brochure contains a general guide of the product only and shall not form part of any contract unless specifically agreed by Sasco Africa in writing in each case on the Order Acknowledgement. The specification of the product described herein may vary from time to time and may be altered without notice.