



Accurately Weighing Africa



WEIGH-IN MOTION WIMBRIDGE (WIM- SA)

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 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%

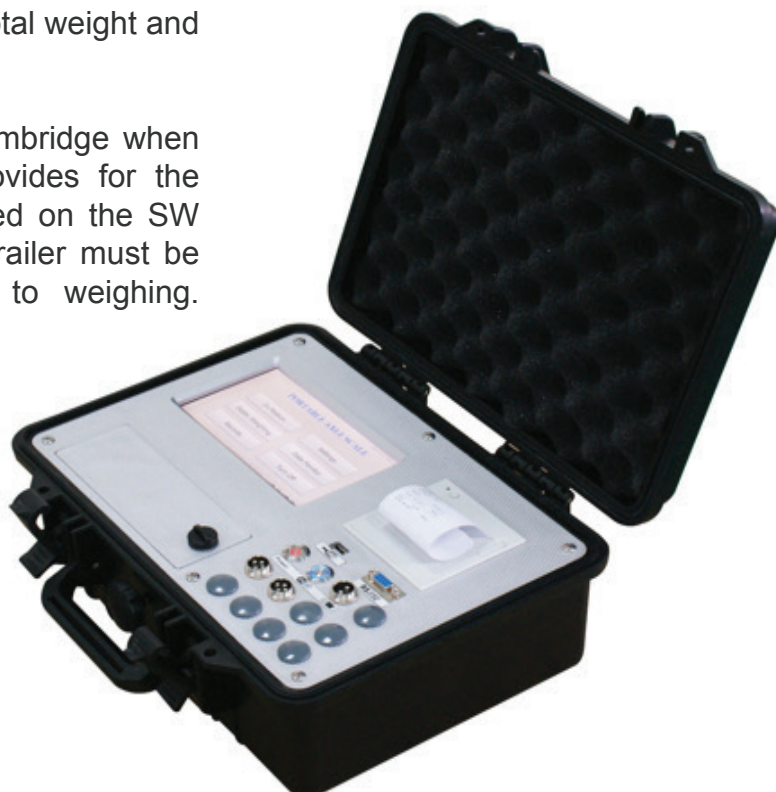
INSTRUMENTATION

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

The WIM-SA 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 plantation 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-SA, 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

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