



Accurately Weighing Africa



SAS-Bridge

(WB-SB)

Affordable, Sturdy and Simple

SASCO WEIGHING SYSTEMS

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SAS-Bridge (WB-SB)

Discover the unparalleled range of truck weighing solutions offered by Sasco, from single deck weighbridges to multi deck weighbridges and weigh-in-motion systems.

When choosing the optimal truck weighing solution, factors such as budget considerations, the need for axle and total weights, available space, truck length, daily weight volume, required maximum axle loadings, deck strength, level of automation, and the possibility of unmanned weighbridges all come into play.

Sasco's extensive product line up ensures that the perfect solution, which are all powered by European manufacturer weighing indicators, align seamlessly with specific requirements. In terms of single deck weighbridge solutions Sasco has six options:

	SAS-Bridge WB-SB	WB-LP	WB-AW	WB-PT	WB-AC	WB-HD
Total Accuracy	±99.95%	±99.95%	±99.98%	±99.98%	±99.98%	±99.98%
Deck Type	WB80 LP	WB80 LP	WB80 T	SPT Portable	Concrete	WB120 T
Lengths	6, 12, 18, 24m	6, 12, 18, 24, 30m	6, 12, 18, 24m	12, 18, 21m	6, 12, 18, 24m	6, 12, 18, 24m
Width	3m	3m	3m	3m	3m	3m
Deck Construction	Steel	Steel	Steel	Steel	Concrete	Steel
Deck Plate Thickness	8mm	8mm	10mm	10mm	n/a	12mm
Total Capacity	80T	80T	80T	50T, 60T, 80T	80T	120T
Axle Loadings	9T	9T	18T	10T	25T	25T
Colour	Yellow	Yellow	Lego Blue	Red	n/a	Green
Volume Daily Weighing's	<=60 p.d.	<=60 p.d.	<=120 p.d.	<=120 p.d.	No limit	No limit
Indicator	DD700	DD1015	DD1015	DD1015	DD1015	DD1015
Load Cells	Sasco S16	Sasco S16	CPD or S500	CPD	CPD or S500	CPD
System	Analogue	Digitised	Digital	Digital	Digital	Digital
Software	SasPro	ProWeigh	ProWeigh	ProWeigh	ProWeigh	ProWeigh
Axle Weighing Functionality	No	Yes	Yes	No	Yes	Yes
Lightning & Surge Protection	No	Yes	Yes	No	Yes	Yes
Installation	Pit or above ground	Pit or above ground	Pit or above ground	Portable	Pit	Pit or above ground

In addition to these six single deck weighbridges Sasco has a range of Multideck Weighbridges and Weigh-in-Motion solutions.

SAS-Bridge Product Overview

Our extensive range of weighbridge solutions caters to a vast spectrum of needs, but for those seeking a reliable, cost-effective, and simplified solution powered by a European manufactured indicator, look no further than the SAS-Bridge (WB-SB).

Elevate your weighing experience with the SAS-Bridge, a beacon of robustness, simplicity, and functionality designed for seamless integration and hassle-free maintenance.

Featuring 6m deck modules, the SAS-Bridge offers flexible configurations, enabling weighbridge lengths of 12m, 18m, and 24m with an impressive 80-ton weighing capacity. Wiring up the cutting-edge weighing technology is a breeze, and the included SasPro software is pre-configured to effortlessly interface with the DD700 weighing indicators.

Installing the SasPro software onto your PC is a straightforward process, thanks to the user-friendly design and the configuration settings between the indicator and software being pre-set.



The SAS-Bridge comes complete with civil drawings for comprehensive guidance, and an installation video, accessible on the Sasco website, ensures that the installation process is not only straightforward but also easily navigable.

Choose the SAS-Bridge for an unparalleled combination of durability, simplicity, and user friendly technology.

Sasco Indicators

The DD700 indicators is characterized by the following specifications:



Country of Manufacture	Europe
Display	240*64 Blue & White Graphic LCD
Accuracy Class	Class III or IIII
Keyboard	Membrane Alpha-Numeric Keys
Clock	Real Time Clock
Communication Mode	1xRS232, 1xRS232/RS422/RS485, USB host, USB device, Optional: Ethernet, WiFi, Profibus
Transmission Distance	15m (RS232), 1200m (RS422 and RS485)
Baud Rate	600, 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200
Excitation Voltage	5 VDC
Number Load Cells	12 x 350 Ohm Analogue Loadcells/ 24 x 700 Ohm Analogue Loadcells/ 12 x Digital Loadcells Bilanciai
Protocols	Two available option slots: Analogue, Profibus, Ethernet, WiFi card 4 inputs 4 outputs
Printing Interface	Standard RS232 interface supporting a range of serial dotmatrix and thermal printer such as STB60/80/112/2080, Epson TM295/LQ300+, DPT282, TM300, ITALORA: WITTY216/WITTY218/SMART830/Witty2000, Q3/Q3x, Neutral, Plus, Zebra, LP55
Power Supply	12 VDC (via external 110~240 VAC 50/60 Hz power supply)
Operating Temperature	-10~40 °C
Relative Humidity	<=85% @ 40 °C
Approval	OIML

Sasco Load Cells

The Sasco S16 load cells are characterized by the following specifications:



Accuracy Class	C5 (OIML R60)
Rated Capacity	20, 30, 40, 50 t
Rated Sensitivity	500,000 ISN
Update Rate	50 Hz
Baud Rate	9600/19200 bps
Transmission Distance	1200m
Creep (30 minutes)	±0,01% F.S.
Temperature Error	±0,01% / 10°C
Total Error	±0,01% F.S.
Safe Overload	150% F.S.
Ultimate Overload	300% F.S.
Operating Temperature	-30~70 °C
Supply Voltage	7~15 VDC
Housing Material	Stainless Steel
Rating	IP 68
Type	S16 - Analogue
In built Lightning Protection	No
Reverse Calibration	No
Rodent Protection Cables	No
Submersible	No
Approval	OIML

SasPro Software

SasPro software, pre-configured for seamless integration with the SAS-Bridge, represents a streamlined iteration of Sasco's acclaimed and widely embraced Sasco ProWeigh software.

Empowering users with a hassle-free experience, SasPro boasts a user-friendly interface complemented by a comprehensive self-installation and operational video, ensuring effortless setup.

Key features of SasPro include an array of output fields, providing essential information such as:

- Horse and trailer registration details
- Driver's name
- Date and time stamps
- Gross and net weights
- Document number
- Weighbridge site identification
- Customisable customer logos

The system requirements for SasPro are:

- CPU : Intel Core i5 (8th generation or newer)
 - RAM : 8GB or Higher
 - Storage: 500GB or more
 - Network: Ethernet and WiFi
 - Operating System: Windows 10 or 11
 - Printer: A4 printer
-

Civil Drawings Provided

Upon acquiring SAS-Bridge, purchasers receive a comprehensive set of civil drawings as part of the package. To facilitate the provision of the right drawings, customers are requested to specify their installation preference for the weighbridge deck: above ground or in-ground.

This specification is crucial as it dictates the inclusion of specific civil drawings tailored to the chosen installation method.

Application Example

Company A located in Ndola, Zambia, operates a quarry and is in need of a durable weighbridge solution. The primary objective is to accurately determine the total weight of trucks departing from the quarry and to generate a corresponding weighing ticket.

Due to the susceptibility to flooding during the rainy season, it is imperative that the weighbridge can be installed above ground. **Company A** has enlisted the services of a local civil contractor for the necessary civil works and a local engineering company for the installation process. The local weights and measures department will handle the verification process, utilizing their own weights.

The preferred solution for **Company A** is the SAS-Bridge, which offers the advantage of above-ground installation. This solution includes comprehensive civil drawings, an installation video, and pre-configured software that seamlessly integrates with the indicator upon connection. Additionally, the DD700 stands out for its user-friendly interface, making it accessible even for non-specialist scale companies.

Technical Specifications

WEIGHING HARDWARE	DETAILS
Total Capacity (24m deck)	80T
Axle Loading	9T
Total Accuracy	+/-99.95%
Recommended Weighing p.d.	<60
Installation	Above or inground
Deck Height	221mm
Deck Width	3m
Deck Length	6m, 12m, 18m or 24m
Plate Thickness	8mm
Module Sizes	6m
Deck Warranty	5 years
Indicator	DD700
Software	SasPro Pre-Configured
Load Cells	S16
Number	10 on 24m
Type	Analogue
Load Cell IP Rating	IP 68
Housing Material	Stainless Steel
Instrumentation Warranty	1 year
OIML Approval	Yes
South Africa Trade Approval	Pending
SADC Trade Approval	Yes
EAC Trade Approval	Yes

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