



Accurately Weighing Africa



# PORTABLE WEIGHBRIDGE

(WB-PT)

Portable Weighing Innovation

WBPT-24-02

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## PORTABLE WEIGHBRIDGE (WB-PT)

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

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 manufactured 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	<b>WB-PT</b>	WB-AC	WB-HD
<b>Total Accuracy</b>	±99.95%	±99.95%	±99.98%	<b>±99.98%</b>	±99.98%	±99.98%
<b>Deck Type</b>	WB80 LP	WB80 LP	WB80 T	<b>SPT Portable</b>	Concrete	WB120 T
<b>Lengths</b>	6, 12, 18, 24m	6, 12, 18, 24, 30m	6, 12, 18, 24m	<b>22m</b>	6, 12, 18, 24m	6, 12, 18, 24m
<b>Width</b>	3m	3m	3m	<b>3m</b>	3m	3m
<b>Deck Construction</b>	Steel	Steel	Steel	<b>Steel</b>	Concrete	Steel
<b>Deck Plate Thickness</b>	8mm	8mm	10mm	<b>8mm</b>	n/a	12mm
<b>Total Capacity</b>	80T	80T	80T	<b>80T</b>	80T	120T
<b>Axle Loadings</b>	9T	9T	18T	<b>9T</b>	25T	25T
<b>Colour</b>	Yellow	Yellow	Lego Blue	<b>Red</b>	n/a	Green
<b>Volume Daily Weighing's</b>	<=60 p.d.	<=60 p.d.	<=120 p.d.	<b>&lt;=60 p.d.</b>	No limit	No limit
<b>Indicator</b>	DD700	DD1015	DD1015	<b>DD700 or DD950</b>	DD1015	DD1015
<b>Load Cells</b>	Sasco S16	Sasco S16	CPD or S500	<b>S24</b>	CPD or S500	CPD
<b>System</b>	Analogue	Digitised	Digital	<b>Analogue</b>	Digital	Digital
<b>Software</b>	SasPro	ProWeigh	ProWeigh	<b>ProWeigh</b>	ProWeigh	ProWeigh
<b>Axle Weighing Functionality</b>	No	Yes	Yes	<b>No</b>	Yes	Yes
<b>Lightning &amp; Surge Protection</b>	No	Yes	Yes	<b>No</b>	Yes	Yes
<b>Installation</b>	Pit or above ground	Pit or above ground	Pit or above ground	<b>Portable</b>	Pit	Pit or above ground

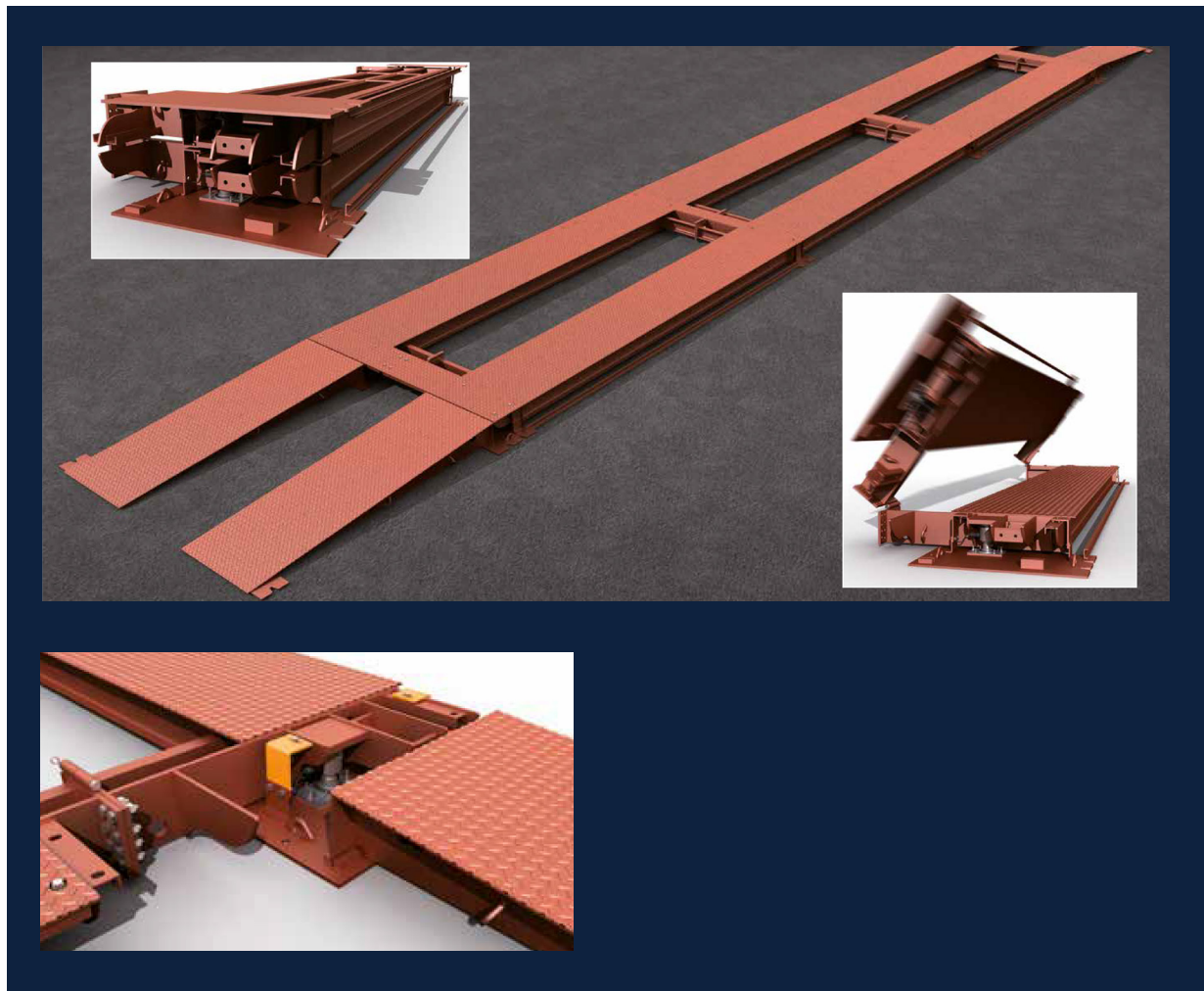
In addition to these six single deck weighbridges Sasco has a range of Multideck Weighbridges and Weigh-in-Motion solutions.

# WB-PT Product Overview


Elevate your weighing operations with the WB-PT, the epitome of portability and convenience in weighbridge technology. At a mere height of 30cm, the WB-PT is expertly crafted for surface mounting, even when ramp space is a constraint.

Unfold the future of logistics with the WB-PT's fold-open design, featuring pre-installed load cells for seamless setup. Fastening the modules is a straightforward, and all you need is a flat surface to transform any space into a fully functioning weigh station. This is more than a weighbridge; it's a revolutionary tool for temporary sites, and ideal for bustling ports where civil works are tightly regulated.

Choose WB-PT for an uncompromised weighing experience where flexibility meets functionality.



## Sasco DD700 Indicator

The DD700 indicators is characterized by the following specifications:	
	
<b>Country of Manufacture</b>	Europe
<b>Display</b>	240*64 Blue & White Graphic LCD
<b>Accuracy Class</b>	Class III or IIII
<b>Keyboard</b>	Membrane Alpha-Numeric Keys
<b>Clock</b>	Real Time Clock
<b>Communication Mode</b>	1xRS232, 1xRS232/RS422/RS485, USB host, USB device, Optional: Ethernet, WiFi, Profibus
<b>Transmission Distance</b>	15m (RS232), 1200m (RS422 and RS485)
<b>Baud Rate</b>	600, 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200
<b>Excitation Voltage</b>	5 VDC
<b>Number Load Cells</b>	12 x 350 Ohm Analogue Loadcells/ 24 x 700 Ohm Analogue Loadcells/ 12 x Digital Loadcells Bilanciai
<b>Protocols</b>	Two available option slots: Analogue, Profibus, Ethernet, WiFi card 4 inputs 4 outputs
<b>Printing Interface</b>	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
<b>Power Supply</b>	12 VDC (via external 110~240 VAC 50/60 Hz power supply)
<b>Operating Temperature</b>	-10~40 °C
<b>Relative Humidity</b>	<=85% @ 40 °C
<b>Approval</b>	OIML

The DD700 weighing indicator, designed and manufactured in Europe, boasts not only OIML approval but also multiple additional European certifications.

Setting it apart from other solutions on the market and proving pivotal for weighing applications in Africa, this indicator is equipped with comprehensive temperature compensation, ensuring the system maintains its accuracy even amidst significant temperature fluctuations.

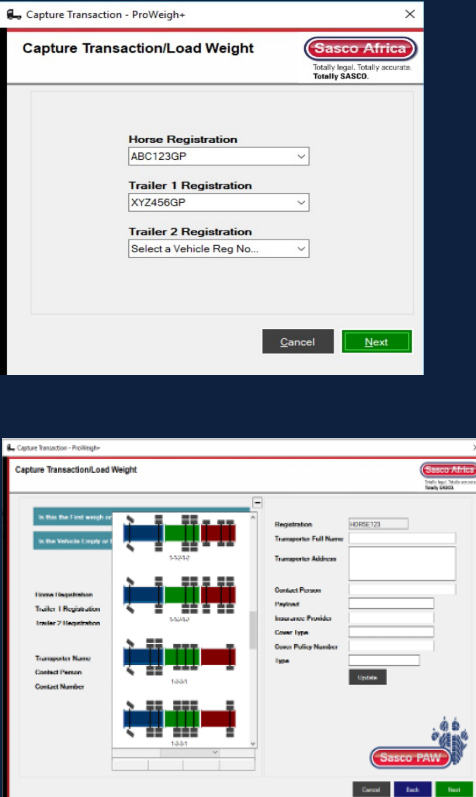
# Sasco Proweigh Software

Launched in September 2009, ProWeigh+ V1.0 aimed to provide a cost-effective off-the-shelf software solution, utilizing a modular building block approach for seamless functionality expansion. Since its inception, ProWeigh+ has undergone substantial developments, enhancing its functionality while maintaining its inherent simplicity.

The latest iteration, ProWeigh V5.0 stands as a testament to this evolution, meeting the diverse needs of customers and even surprising those initially considering bespoke solutions with its flexibility and functionality.

Developed incrementally over a decade from the original platform, ProWeigh V5.0 is a proven and stable software solution. This is underscored by the widespread adoption of licenses across key sectors of the African economy, reflecting its reliability and performance.

A practical weighing solution is one that weighbridge operators find easy to use, and ProWeigh+ epitomizes this concept.



- Wide range of definable fields.
- Purchasing and Product module.
- Fleet database module.
- Ticket emailing module.
- Axle weighing reporting module.
- Country specific overloading setup.
- SOLAS container module.
- Definable overloading % tolerances.
- Specific definable User rights.
- Full audit trail.
- Microsoft Sequel database.
- Online Accredited Operator Training.
- Option of ERP or Cloud interfacing.
- Option of adding automation hardware management module.
- Developed and supported by Sasco.

With over 1000 installations across multiple African countries, Sasco ProWeigh+ has established itself as arguably Africa's most popular weighing software today. Its widespread use across diverse industries underscores its reputation for reliability, user-friendly operation, and adaptability to evolving weighing needs.



# The Weighing Ticket

THIS DOCUMENTATION IS COMPLIANT WITH THE NATIONAL ROAD TRAFFIC AMENDMENT ACT, 64 OF 2008

WEIGHBRIDGE TICKET SLIP			
Horse Registration	VEHICLE		
Weighbridge Name	Road train weighbridge2		
Company Name	Assmang Blackrock Mine Operation		
Site Name	****		
Product	****		
*** COPY ***			
<b>SASCO ProWeigh<sup>+</sup> Version 4.6.2</b>			
<b>TICKET NUMBER</b>	<b>SMS00000019</b>	<b>TICKET DATE</b>	<b>2022/09/02 13:47</b>
VEHICLE DETAILS			
Registration Number	VEHICLE	TRAILER123	TRAILER456
Type	****	****	****
Operator	Private	****	****
Contact Person	****	****	****
Insurance Provider	****	****	****
Cover Type	****	****	****
Policy Number	****	****	****
TRADE WEIGHING DETAILS			
<u>First Weigh Details</u>		<u>Second Weigh Details</u>	
Weight (kg)	21,000	Weight (kg)	56,000
Date Time	2022/09/02 13:43	Date Time	2022/09/02 13:46
Operator	sa	Operator	sa
		<u>Weigh Calculations</u>	
		NETT Weight (kg)	35,000
		Product NETT (kg)	35,000
		Total Difference	35,000
		Total Cost	0.00
LOADING DETAILS			
Axle Groups	Actual (kg)	Permissible (kg)	Difference (kg)
Group 1	7,600	7,700	-100
Group 2	16,000	18,000	-2,000
Group 3	16,000	18,000	-2,000
Group 4	16,400	18,000	-1,600
<b>TOTALS</b>	<b>56,000</b>	<b>61,700</b>	<b>-5,700</b>
		Speed	0.00 km/h
CONSIGNEE DETAILS			
Consignee Code	Address		
Consignee Name			
Document Number	ROA0000000002		
Document Type	Sales	Contact Name	****
Document Weight	0	Contact Number	****
CONSIGNOR DETAILS			
Consignor Name	Assmang Blackrock Mine Operation	Contact Name	****
Address	****	Contact Number	****
	****		
	****		

The system requirements for ProWeigh+ 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

# Application Example

**Company A**, a Tanzanian importer and smelter of scrap steel, successfully secured a three-year contract for a weekly shipment of scrap steel from South Africa via sea.

The Dar es Salaam port authorities agreed to allocate a dedicated berth for these shipments, enabling the steel to be directly unloaded onto trucks for transport to Company A's smelting facility on the outskirts of Dar es Salaam.

Despite this facilitation, the port authority did not consent to the construction of permanent structures on the quayside, though it did agree to provide electrical power. To address this challenge, Company A opted for the Sasco WB-PT 22m weighbridge. This robust, anti-rust painted weighbridge requires no civil works, offers complete mobility, and can be easily removed after the contract period ends.

Moreover, Sasco supplied detailed blueprints for a mobile weighing cabin, housed within a 20-foot shipping container. This cabin incorporates an indicator, a PC, a printer, cameras, and a SIM card-operated internet transmission device. This setup integrates with the Sasco ProWeigh software's business connector module, operating on the PC. Through cloud-based interfacing, it provides real-time data and images of the truck weighings back to the operations centre at the smelter, ensuring efficient and continuous monitoring.

In addition to the WB-PT Sasco also provide detailed drawings for a portable weighing cabin that was built into a 20 ft container which was then used to the indicator, PC and printer, cameras as well as a SIM card based internet transmission device that allowed for the business connector module in Sasco ProWeigh software which was loaded on the PC to interface via the cloud so as to provide real time data on weighing's and truck images back to the operations room at the smelter.

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# Technical Specifications

	WB-PT 22m
<b>Total Accuracy</b>	±99.5%
<b>Axle Weighing Accuracy</b>	See Note *
<b>Installation</b>	Above ground
<b>Deck Width</b>	3m
<b>Deck Length</b>	22m
<b>Indicator IP Rating</b>	IP 48
<b>Load Cells</b>	10
<b>Load Cell IP Rating</b>	IP 67
<b>Maximum Total Weight</b>	80T
<b>Maximum Axle Weight 120 W.P.D.</b>	9T
<b>Reverse Calibration</b>	Yes
<b>Temperature Compensation</b>	Yes
<b>Total Weight Generated</b>	Yes
<b>SOLAS Weighing</b>	Yes
<b>Double or Single Weighing</b>	Yes
<b>Manned or unmanned</b>	Manned
<b>PC Required</b>	Yes
<b>Option IT Interfacing</b>	Yes
<b>Cloud Interfacing Possible</b>	Yes
<b>Deck Warranty</b>	6 Years
<b>Instrumentation Warranty</b>	2 Years
<b>Fully Portable</b>	Yes
<b>Load Cells Remain in Place on move</b>	Yes
<b>Indicator Remains in Place on move</b>	No must be disconnected and reconnected
<b>Trade Approved</b>	Yes
<b>Indicator</b>	DD700 or DD950