



Accurately Weighing Africa



PORTABLE WEIGHBRIDGE

(WB-PT)

Portable Weighing Innovation

WBPT-24-01

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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	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.

WB-PT Product Overview

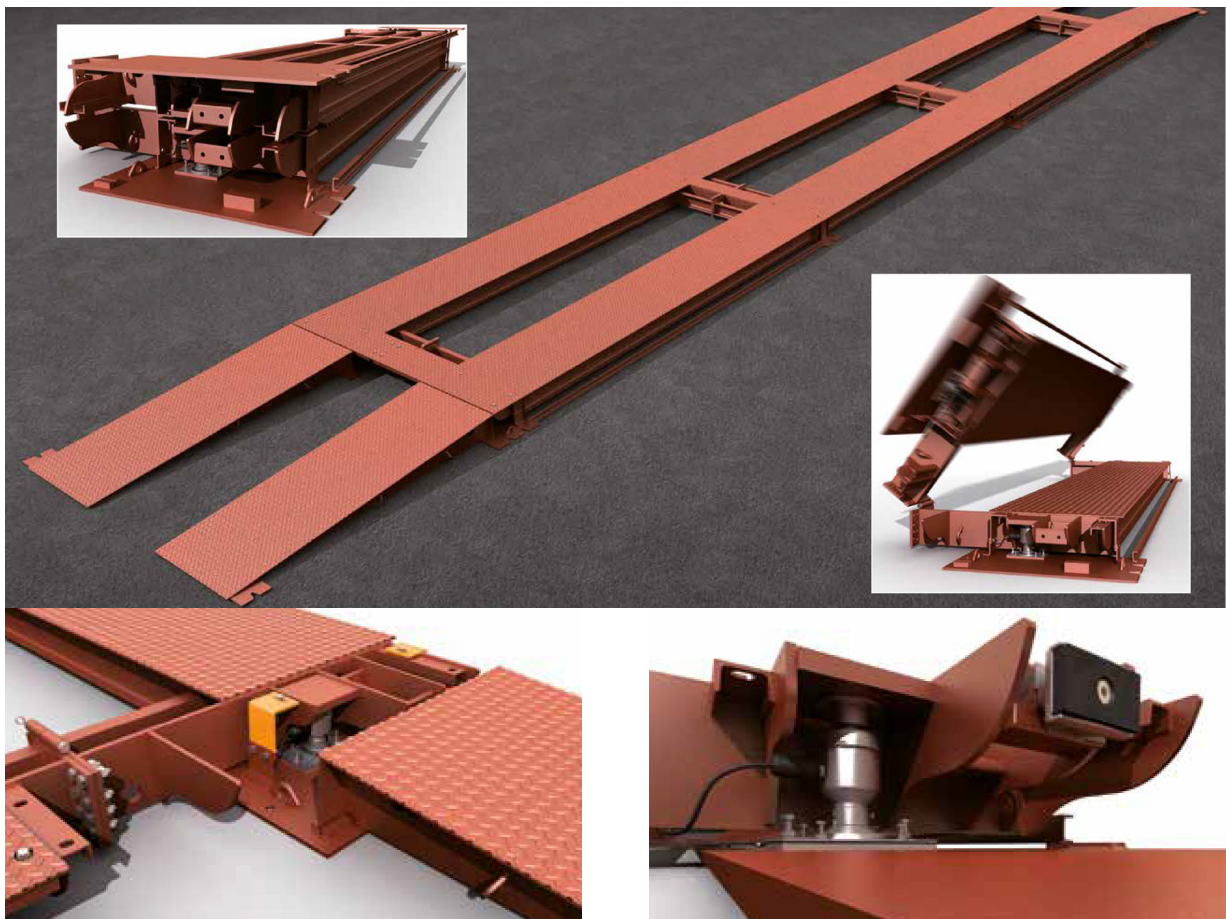
Elevate your weighing operations with the WB-PT, the epitome of portability and convenience in weighbridge technology. At a mere height of 28.5cm, the WB-PT is expertly crafted for surface mounting, even when ramp space is a constraint.

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.

But that's not all, the WB-PT comes equipped with anti-rodent technology to protect its cables, includes a sturdy pair of metal ramps for easy access, and features a transport-ready locking system that keeps the load cells secure. Coated in red oxide anti-rust paint, it's built to last and resist the elements.

At the heart of the WB-PT lies the CPD digital load cells, a state-of-the-art innovation boasting exceptional features that set a new industry standard. Discover the unparalleled accuracy and reliability that these load cells provide.

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



Sasco DD1015 Indicator



- Diagnostic system.
- Automation device management.
- Dual core 1GHZ
- 512 Mbyte RAM and 1 GByte Flash
- Ethernet 10/100Mbps
- 4 USB Ports
- 3 x RS232/RS422
- 2 x RS232/RS422 Optio Isolated
- Connect to 12 analogue load cells
- Connect to 16 digital load cells
- OIML and NTEP Approved

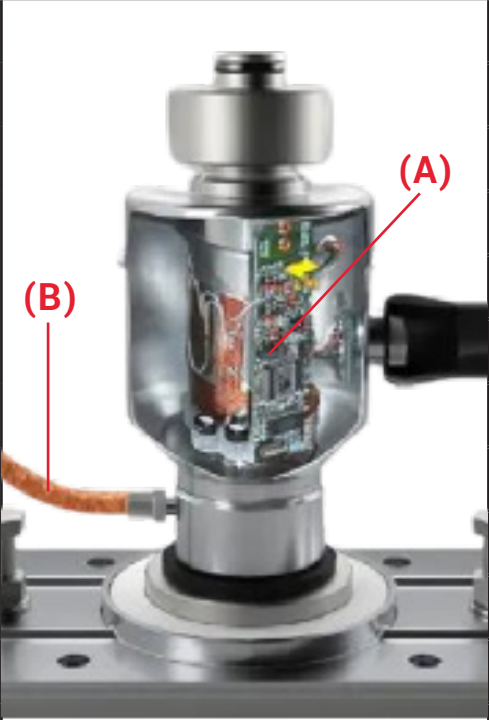
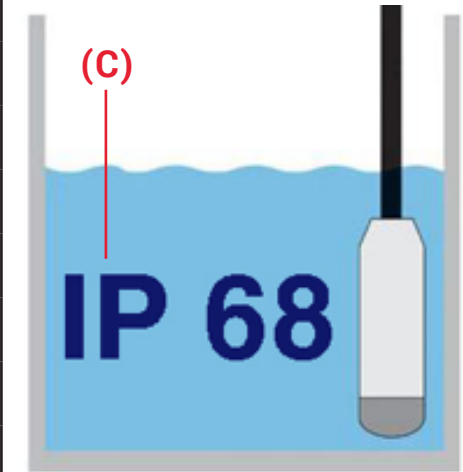
The DD1015 weighing indicator, designed and manufactured in Europe, boasts not only OIML approval but also multiple additional European certifications.

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 CPD Load Cells

The Bilanciai CPD load cell has earned a reputation as one of the premier weighbridge load cells globally, owing to its unique and unparalleled features. Notably, it boasts the capability to be submerged, withstand side loads and inclinations without sustaining damage, and incorporates rodent protection cabling.

Crafted with A17-4PH Stainless Steel casing, it ensures durability and resilience. Additionally, the load cell is equipped with built-in lightning protection, continuous diagnostics, and the innovative ability to have calibration settings reverse-calibrated, minimizing downtime. These distinctive attributes collectively make the Bilanciai CPD load cell exceptionally reliable, robust, and precise, setting a standard for excellence in load cell technology.

The CPD load cells are characterized by the following specifications:		
	Accuracy Class	C3 (OIML R60)
	Rated Capacity	20t, 35t, 50t
	OIML R60 intervals	Max 6000
	Safe Overload	150% F.S.
	Safe Side Load	10%
	Ultimate Overload	200% F.S.
	Op. Temperature	-10~40 °C
	Ability To Incline	Yes to 5 degrees
	Transmission Protocol	RS485
	Supply Voltage	7~15 VDC
	Housing Material	A17-4PH Stainless Steel
	Rating	IP 68/ 69K
	Type	Digital
	Continuous Diagnostics	(A) Yes
	In built lightning protection	(A) Yes
	Radio Interference Protection	(A) Yes
	Reverse calibration	(A) Yes
	Rodent protection cables	(B) Yes
	Submersible	(C) Yes

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

Version 4.6.2

WEIGHBRIDGE TICKET SLIP

Horse Registration	VEHICLE
Weighbridge Name	Road train weighbridge2
Company Name	Assmang Blackrock Mine Operation
Site Name	****
Product	****

*** COPY ***

TICKET NUMBER SMS00000019

TICKET DATE 2022/09/02 13:47

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>	<u>Weigh Calculations</u>	
Weight (kg) 21,000	Weight (kg) 56,000	NETT Weight (kg)	35,000
Date Time 2022/09/02 13:43	Date Time 2022/09/02 13:46	Product NETT (kg)	35,000
Operator sa	Operator sa	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	
TOTALS	56,000	61,700	-5,700	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 21m 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.

Technical Specifications

	WB-PT 12m	WB-PT 18m	WB-PT 21m
Total Accuracy	±99.5%	±99.5%	±99.5%
Axle Weighing Accuracy	See Note *	See Note *	See Note *
Installation	Above ground	Above ground	Above ground
Deck Width	3m	3m	3m
Deck Length	12m	18m	21m
Number of Modules	2 x 6.2m modules	3 x 6.2m modules	2 x 6.2m 2 x 4.8m modules
Indicator IP Rating	IP 48	IP 48	IP 48
Load Cells	8	8	10
Load Cell IP Rating	IP 68	IP 68	IP 68
Maximum Total Weight	50T	60T	80T
Maximum Axle Weight 120 W.P.D.	10T	10T	10T
Reverse Calibration	Yes	Yes	Yes
Temperature Compensation	Yes	Yes	Yes
Total Weight Generated	Yes	Yes	Yes
Axle Weights Generated	See Note *	See Note *	See Note *
SOLAS Weighing	Yes	Yes	Yes
Double or Single Weighing	Yes	Yes	Yes
Manned or unmanned	Manned	Manned	Manned
PC Required	Yes	Yes	Yes
Option of Automation	See Note *	See Note *	See Note*
Option of Unmanned	See Note *	See Note *	See Note*
Option of Centralization	See Note *	See Note *	See Note *
Option IT Interfacing	Yes	Yes	Yes
Cloud Interfacing Possible	Yes	Yes	Yes
Deck Warranty	6 Years	6 Years	6 Years
Instrumentation Warranty	2 Years	2 Years	2 Years
Fully Portable	Yes	Yes	Yes
Load Cells Remain in Place on move	Yes	Yes	Yes
Indicator Remains in Place on move	No must be disconnected and reconnected	No must be disconnected and reconnected	No must be disconnected and reconnected
Trade Approved	Yes	Yes	Yes
Indicator	DD1010 or DD1015	DD1010 or DD1015	DD1010 or DD1015

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