

# CWCSA PRODUCT INFORMATION



**SABS**  
ISO 9001



## TRACK WEIGH

### Vision:

To be the African leader in road & rail weighing, and related management solutions, through:

- Innovative thinking
- Reliable equipment
- Technology
- Excellent customer service
- Integrity

### Mission:

To Provide our customers with:






- Advanced, up-to-date quality Weighbridge technology.
- Credible, professional and flexible financing solutions.
- Excellent support and customer service.
- Maximizing our employee's potential.

The lowest cost Train Weighing System in the world. UK manufactured by experts in Train Weighing Technology. Available Globally for all Rail and Train Combinations.

- Dynamic - In motion portable train weighing
- Static - Static train weighing

**NO FOUNDATIONS REQUIRED, NO NEW RAILS REQUIRED, NO SPECIALIST WORK REQUIRED.**

## Track Weigh

Recommended Industries	<ul style="list-style-type: none"> <li>• Railway</li> </ul>
Installation	<ul style="list-style-type: none"> <li>• Sold as a kit</li> <li>• Fitted with minimal guide</li> <li>• No alteration to the track</li> <li>• No foundation required</li> <li>• Less than a day to install</li> </ul>
Dynamic System	<div style="display: flex; justify-content: space-around;">   </div> <ul style="list-style-type: none"> <li>• Scale connects to the rail without any alterations to the rail</li> <li>• Fits any rail track with minimal internal web clearance – 60mm</li> <li>• No special adapters needed</li> <li>• Weighing accuracy of 0.5% - 1.0%</li> <li>• No contact between scale and train at any point – no impact damage and longer lifespan</li> </ul>
Static System	<div style="display: flex; justify-content: space-around;">   </div> <ul style="list-style-type: none"> <li>• Can be used as a “static weighbridge”</li> <li>• Multiple weigh units can be fitted under each wheel of the wagon</li> <li>• May require movement of sleepers to accommodate scales</li> <li>• System can be tailored to the customers’ needs</li> <li>• Weighing accuracy of 0.5% - 1.0%</li> </ul>
Indicator	<ul style="list-style-type: none"> <li>• Optional portable cased indicator and printer             <ul style="list-style-type: none"> <li>○ System can run on battery or mains power</li> <li>○ Easy transportable</li> <li>○ Easy to use in any location and condition</li> </ul> </li> <li>• All weighing data stored in Track Weigh Indicator and can be:             <ul style="list-style-type: none"> <li>○ Printed</li> <li>○ Downloaded in excel format</li> <li>○ Transferred to USB, WIFI, PDA, RS232, RS485</li> </ul> </li> </ul> 
Weigh Ticket	<ul style="list-style-type: none"> <li>• Ticket and Data Output can be customized to suit your requirements</li> </ul>

# Weigh Ticket

COMPANY NAME						
Tel: xxxxxxxxxxxx						
Loco pulling/pushing						
Train number xxxxxxxxxx						
Material xxxxxxxxxxxxxx						
Customer xxxxxxxxxxxxxx						
Weighing time xxxxxxxxxx						
Date xxxxxxxxxx Time xxxxxxxx						
Axle 1	wheel 1	12.00	wheel 2	12.00	total	24.00t
Axle 2	wheel 1	12.00	wheel 2	12.20	total	24.20t
Axle 3	wheel 1	12.20	wheel 2	12.30	total	24.50t
Axle 4	wheel 1	13.00	wheel 2	12.62	total	25.62t
Wagon total						98.32t
Axle 5	wheel 1	12.00	wheel 2	11.50	total	24.00t
Axle 6	wheel 1	12.20	wheel 2	12.00	total	24.20t
Axle 7	wheel 1	12.20	wheel 2	12.30	total	24.50t
Axle 8	wheel 1	13.50	wheel 2	12.42	total	25.42t
Wagon total						98.12t
Axle 9	wheel 1	11.80	wheel 2	12.20	total	24.00t
Axle 10	wheel 1	12.50	wheel 2	12.20	total	24.70t
Axle 11	wheel 1	12.20	wheel 2	12.30	total	24.50t
Axle 12	wheel 1	13.20	wheel 2	12.60	total	25.62t
Wagon total						98.82t
Train speed 3 mph						
total train weigh						295.26t

1. Fully loaded train weights
2. Individual wagon weights
3. Individual axle weights
4. Individual wheel weights

## Derailment Protection System (DPS)

The DPS is an unmanned or manned system that can identify individual wheel loadings. The system will raise an alarm if any wheels or axles are out of pre-set tolerance, inputted by the user.

Health and Safety is optimized with the DPS' built in Centre of gravity system. This makes identifying load errors, wheel and suspension faults quick and simple prior to trains leaving the depot.

The DPS is especially useful for providing peace of mind that the train, carriages and cargo are safe. All data can be stored internally on the DPS for downloading to a PC or USB stick, data can also be printed for records of the readings to be signed off and stored for future reference. Recorded data can easily be integrated into ISO quality systems.



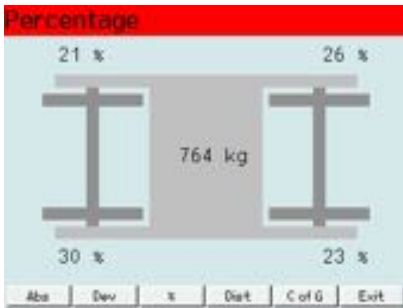
**DERAILMENT IN ITS TRACKS!**



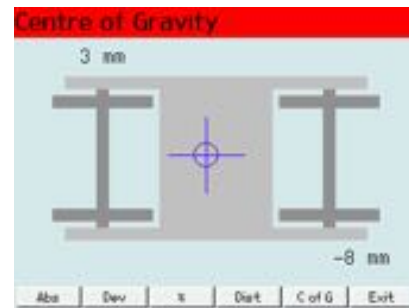
Displays the weight percentage loading of each axle.



Displays the actual weight distributed onto each wheel.



Displays the weight percentage loading on each wheel.



Displays the center of gravity on each wheel.

Errors will automatically flag up at the end of the report, identifying the wheel/wheels, axles and/or wagons outside tolerance.



[WWW.CWCSA.COM](http://WWW.CWCSA.COM)

AFRICA'S LEADER IN WEIGHBRIDGE TECHNOLOGY

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