

The world's most advanced Axle Weighbridge System

Specification and Technical Data

Deck Structure:

SUPA120: 3000 mm x 730 mm x 235 mm.
SUPA220: 3000 mm x 730 mm x 240 mm.
SUPA220HD: 3000 mm x 730 mm x 240 mm.
Frame dimensions:
3252 mm x 902 mm x 350 mm.

Weight:

SUPA120: 560 kg.
SUPA220: 860 kg.
SUPA220HD: 890 kg.
Steel pit frame 340 kg.

Load Cells:

The standard system will incorporate 4 x 10,000 kg stainless steel, fully welded load cells fitted into a unique tension mounting assembly.

Operating Temperature:

-10C to +60C.

Safe Overload Rating:

150%, tested to 300% structurally.

Protection Class: IP68.

Finish: Stainless steel, fully welded.

Mounting Assemblies: Powder coated cast iron with zinc plated pins.
Lightning protection earthing straps.

Instrumentation:

EC/OIML Approved R134 Class1 / EC Class III.
IP66 Rated.
High visibility 5 digit 40mm electromechanical weight display.
Secondary menu driven data in-put display.
Full alpha/numeric data entry keyboard.
Overspeed display.
Sealed 'dial in' calibration system.
Real time clock.
Fault diagnostic display.
2 x serial 20mA current loop outputs.
1 x RS232 output.

Capacity:

SUPA120: 20,000kg per axle.
SUPA220: 25,000kg per axle.
SUPA220HD: 40,000kg per axle.

Display:

10kg divisions.
Operations Speed:
Supaweigh 4000 weighs all vehicles at speed up to 15 km/h, but is restricted to 5 km/h for Trade and Law Enforcement.

All systems are subject to a factory test before despatch, using test weights which are traceable to National Standards and which carry an annual calibration certificate.

Factory dead weight test.

± 5kg end to end test at 6,000 kg.
± 10kg dead weight test to 20,000 kg.

Operational Accuracy

After Installation.

Non-Trade:

0-5km/h ± 1% of gross weight.
6-15km/h ± 3% of gross weight.

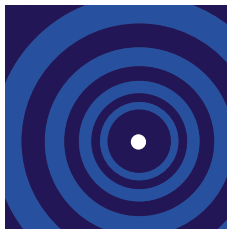
Trade and Law Enforcement:

± 0.5% of gross weight dynamic operation 'on test'.
± 1.0% of gross weight dynamic operation 'in service'.

Note:- All accuracies quoted are site dependent.

Power Required:

240 volt, single phase (optional 110v).



CENTRAL WEIGHING LIMITED

Specialists in vehicle weighing,
tracking and management systems

Unit 142 Hartlebury Trading Estate,
Kidderminster, Worcestershire
DY10 4JB England

Tel: +44 (0)1299 251242

Fax: +44 (0)1299 250002

Email: sales@centralweighing.co.uk

Web: www.central-weighing.co.uk

Service Department: Tel: +44 (0)1299 252430

Fax: +44 (0)1299 252434

Email: service@centralweighing.co.uk

Central Weighing Exports

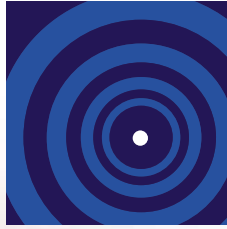
Central Weighing now have appointed and trained distributors in over 40 countries, making us one of the largest suppliers of this specialist equipment in the world. Central Weighing are a Chamber of Commerce 'Exporter Of The Year' Award Winner and holders of a prestigious Department Of Trade and Industry SMART award for innovation. We welcome export enquiries for any country on export@centralweighing.co.uk



Member of the National Federation of
Scale Weighing Machine Manufacturers

For more information on SUPAWEIGH 4000 or the complete range of Central Weighing products

CALL +44 (0)1299 251242 or visit our website: www.central-weighing.co.uk



CENTRAL WEIGHING LIMITED

Specialists in vehicle weighing,
tracking and management systems



SUPAWEIGH 4000

The world's most advanced Axle Weighbridge System



CENTRAL WEIGHING LIMITED

Specialists in vehicle weighing,
tracking and management systems



VEHICLE WEIGHING SOLUTIONS - WORLDWIDE

Central Weighing Ltd, established in 1984, is now one of the world's leading manufacturers of vehicle weighing and fleet management systems, with over 3,000 installations in the UK and nearly 4,000 worldwide.

Our products are installed in over 40 countries and we have factory trained engineers employed by many of our exclusive distributors.

Axle Weighbridges are designed to provide fast and accurate axle and gross weight information for all vehicle types from light vans to the heaviest multi-axle vehicles.

Supaweigh weighs any vehicle up to 40,000kg per axle 'in motion' at speeds up to 15 km/h dependent on application. It is simple to install and relocate and is ideal for sites where space or access is limited.

Central Weighing offers a choice of static or in motion systems with a wide range of peripherals such as printers, large scale displays, traffic lights, modems, barriers and automatic vehicle recognition.

A comprehensive software library has been developed with programs to suit most applications.

SUPAWEIGH 4000 Options Printer

A tally roll printer can be installed internally or externally (in a water and dust proof housing), to print out the weighing transactions and reports.

The printouts, which can be individually configured to customers' requirements, may contain time and date, customer, vehicle and product information together with the individual axle, axle combination and gross weight details. Any overloads or over speeds are automatically printed in red.

Securitag

The introduction of Securitag to many Supaweigh installations provides fast, accurate and secure input of vehicle and product data to the weighing system. Data is transmitted from a vehicle mounted transponder or close proximity hand held card directly into the Securitag reader. The system is impervious to water, dirt and grease making it the first choice in all operating conditions.

Large Scale Display

Where installations demand that the driver can read the display at great distances, an external 5 digit, 100mm, electromechanical slave display can be connected to and driven from the main weighing console.



Fleet Management Software

When high volumes of data need to be stored, analysed and reported, Supaweigh can transmit information directly into any PC. We offer a customised software design and support service and solutions for networking systems to remote databases.

PC programs are frequently translated into local languages to enable operation of the Supaweigh system in any country.

SUPAWEIGH 4000 Applications

Supaweigh for Overload Prevention

Supaweigh is fully programmable to meet a wide range of applications including security checks, overload prevention and fleet management. The maximum weights for any fleet vehicle can be stored in Supaweigh's memory and compared automatically with those found when that vehicle is weighed. The driver and operator can see immediately if the vehicle is loaded safely and legally, thus avoiding fines, prohibitions, delays and perhaps the loss of an operator's licence.

Supaweigh for Law Enforcement

Governments in many countries are now aware of the tremendous reductions in road damage and accidents that can be achieved by operating a vigorous overload detection policy together with heavy penalties for offenders.

Supaweigh is being installed at border crossings, ports and major highway routes worldwide as the most effective and accurate method of detection.

Advanced enforcement software provides a database by vehicle type of the legally permitted axle, axle combination and gross weights applicable in any country.

These are automatically compared with the actual weights of any vehicle checked to produce a definitive weighing record which can also include fine calculation.

Supaweigh for Trade

The UK, EC and OIML approvals awarded to Supaweigh make it ideal for many trade weighing applications, including unmanned sites.

The system database can store vehicle tare weights which are automatically recalled by entry of a vehicle identification number to complete a nett weight ticket from a single weighing.

Daily reports can be generated by product, haulier, vehicle, etc as required.