

Model SBP/M modular weighbridge is the ideal solution for weighing vehicles and trucks up to 80 t vehicles trucks (standard version) and concentrated loads are experienced during operational use.

Its modular demountable structure facilitates transportation, handling and assembling. Its robust design and construction enables low profile installations of only 500 mm for the pit-mounted version and 400 mm for the surface-mounted version. In addition the design maintains system reliability even during natural ground setting.

The basic weighing system comprises: Stainless steel compression load cells (available in both analogue and digital versions) and the electronic weight indicator, which displays the weight and other weighing functions.

Additional peripheral provide further versatility and functions, etc.

The proven build quality and high specification raw material, together with the design expertise, wide range of accessories and tailor-made solutions, make the SBP/M weighbridge the most versatile and high-quality product in the market.



## WHERE TO INSTALL

- Pit-mounted and surface weighbridges for hars and muddy areas, e.g. mens, quarries, steel works and mineral processing plants
- Installations in harsh operational sites where high levels of concentrated loads are experienced
- High frequency use applications, e.g. ports and terminals, recycling plants and logistic operations

# STEEL WEIGHBRIDGE SBP/M model



Galvanised protectors provide additional protection for the load cell assemblies



Chequer plate weighbridge deck to improve tyre traction and also prevent build up of water on the platform.

Transverse hatches for easy access to the load cells.

Longitudinal hatches (secured with stainless steel fasteners) providing easy access for pit cleaning.



Longitudinal hatch supporting structure specially sized to optimise deck strength and system accuracy, even in harsh operating conditions. Sandblasting and subsequent painting of all the metallic parts to protect against oxidation. Special wax coating applied to all underside surfaces for optimum protection.



Double front edge complete with impact resistant buffers - extremely important to prevent deterioration of concrete in areas of contact while a vehicle is braking.



Electric surge protection device to insulate the load cell, protecting it from voltage overload, considerably reducing the risk of damage from atmospheric electrical discharges.

Proprietary load cell surge protection device to insulate and protect the load cells from overvoltage, thereby reducing the risks of damage from atmospheric electric discharge.(eg lightning)

Metal containment plates (pit version) secured to the coping edge allow for completion of concrete casting of the pit perimeter walls without the need for further support at the final casting stage of the pit, thus saving time and the money

Side edging (pit version) to avoid flooring deterioration.

Junction box to connect the load cells complete with overvoltage electronic protection circuit., Stainless steel IP68 enclosure.

Load cells: see page. 17 - Electronic indicators: see page. 19

## PRODUCT FEATURES

- Optimised steel structure designed for concentrated loads and frequent use
- Easy to install (pit-mounted, surface mounted or separate steel frame configurations)
- High resistance to harsh environmental conditions/pollutants
- Easy load cell access for cleaning and maintenance operations
- Easy-to-move weighing platform
- Variable length/width of weighbridge deck (e.g. to suit standard/non-standard pit and frame sizes)
- Simple and quick maintenance of the steel structure and load cells
- No hidden water/debris traps
- High resale value of used weighbridges
- SBP/M -SB with digital cells
- Real time self-diagnosis system check for all critical components
- MULTI-RANGE version to achieve consistent/proportional accuracy over wide weighing range

### STANDARD FEATURES AND DIMENSIONS

Models available	Platform length (m)	Platform width (m)*	Number of load cells	DIGITAL version		ANALOGUE version	
				Max capacity (t)	Divisions (kg)	Max capacity (t)	Divisions (kg) **
SBP/M 83 4	8,00	3	6	From 0 to 20 From 20 to 40	5 10	40	10
SBP/M 83 5	8,00	3	6	50	10	50	20
SBP/M 93 4	9,56	3	6	From 0 to 20 From 20 to 40	5 10	40	10
SBP/M 93 5	9,56	3	6	50	10	50	20
SBP/M 103 4	10,90	3	6	From 0 to 20 From 20 to 40	5 10	40	10
SBP/M 103 5	10,90	3	6	50	10	50	20
SBP/M 123 4	12,20	3	6	From 0 to 20 From 20 to 40	5 10	40	10
SBP/M 123 5	12,20	3	6	50	10	50	20
SBP/M 143 5	14,00	3	8	50	10	-	-
SBP/M 143 6	14,00	3	8	From 0 to 40 From 40 to 60	10 20	60	20
SBP/M 143 8	14,00	3	8	From 0 to 40 From 40 to 80	10 20	80	20
SBP/M 163 5	15,90	3	8	50	10	-	-
SBP/M 163 6	15,90	3	8	From 0 to 40 From 40 to 60	10 20	60	20
SBP/M 163 8	15,90	3	8	From 0 to 40 From 40 to 80	10 20	80	20
SBP/M 183 5	18,00	3	8	50	10	-	-
SBP/M 183 6	18,00	3	8	From 0 to 40 From 40 to 60	10 20	60	20
SBP/M 183 8	18,00	3	8	From 0 to 40 From 40 to 80	10 20	80	20

SPECIAL SIZES AND CAPACITIES AVAILABLE ON REQUEST (\*) optional length 3,20 m

### ( \*\* ) MULTIRANGE ( OPTIONAL ) - ANALOGUE VERSION

Capacity (t)	Capacity (t)	Divisions (kg)	Capacity (t)	Divisions (kg)	Capacity (t)	Divisions (kg)
40	From 0 to 15	5	From 15 to 30	10	From 30 to 40	20
50	From 0 to 30	10	From 30 to 50	20		
60	From 0 to 30	10	From 30 to 60	20		
80	From 0 to 30	10	From 30 to 60	20	From 60 to 80	50

## ACCESSORIES

- MULTI-RANGE version (analogue load cell)
- ATEX version
- Hot-galvanized metallic frame (450 °a1C)
- Customisable colour steel frame
- Barriers for on-board weighing
- Barriers for on-the-ground installation
- Frame for surface-mounted weighbridge without foundations
- Metal ramps for surface-mounted version
- Sloping terrain version
- Galvanized outer frame for pit version
- Electronic indicators and printers
- Peripheral electronic devices
- Anti-rodent load cell cable kit
- Smartweigh Dilink for wireless connection
- 'Energy' solar powered version