

CONCRETE WEIGHBRIDGE



SBP/CO model



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The SBP/CO weighbridge is an ideal solution for weighing motor vehicles and work trucks up to a maximum of 80 tons.

The design allows for easy of transport, handling and assembly, the isostatic type of structure with separate modules guarantees smooth operation over time, even if the foundations settle naturally.

The compactness of the profile allows the deck to be pit mounted and can be installed in a foundation of only 50 cm high, or a surface mounted version to be installed with the ramps being only 40 cm high.

The measuring system consists of a number of stainless steel compression load cells analogue version.

The electronic terminal that completes the weighing system with peripheral accessories, manages the display of the weight and any supplementary functions.

Types of materials, treatments used, design features and range of accessories and customisations: these characteristics allow the SBP/CO weighbridge to be one of the most versatile and high quality products available on the market.



APPLICATIONS RECOMMENDED

- Surface mounted installation
- Pit mounted installation for environments with high operating frequency and cleaning operations not required

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CONCRETE CHARACTERISTICS

CASTING THE CONCRETE WHEN SETTING UP THE WEIGHBRIDGE ($R_{bk} > 35 \text{ N/mm}^2$)

- Portland 325-type of cement, measured at 4.5 quintals/cubic metre of concrete,
- water/cement ratio equal to 0.5
- continuous particle size with aggregate max diameter 35 mm
- STABIL MAC-type of expansive additive measured at 20 kg/cubic metre of concrete
- MVR-type of anti-freeze air entrainer, measured at 60 cc/quintal of concrete
- addition of synthetic fibres, such as FIBER MESH, to the mixture at the rate of 1 kg/cubic metre
- dusting the surface of the cast concrete with spheroidal quartz max diameter 1 mm, measured at 3 kg/sq m of weighbridge surface
- the surface of the cast concrete must have slight convexity in mid-air (about 1 cm) in order to facilitate water drainage



Double front edge, together with oscillation limiters with special impact-resistant buffers, extremely important for preventing the deterioration of flooring areas in contact with the bridge during vehicle braking.



Metal load-bearing structure with longitudinal beams, specially engineered to maintain the rigidity properties and precision of the weighbridge over extended time periods.

All metal parts sandblasted and then painted with red oxide anti-rust paint to guarantee maximum protection against oxidation.

Stainless steel load cell rocker supports to eliminate any source of damage from transverse forces.

Galvanised load cell-protective shields, essential for keeping the load cell assembly free of mud, debris etc.

PRODUCT ADVANTAGES

- Easily transported
- High resistance to the chemicals and oils
- High resistance to oxidation
- Installation versatility
- Multirange for the most advantageous minimum division in relation to the capacity
- The concrete is cast directly in the weighing platform without the need for additional shuttering

STANDARD FEATURES AND DIMENSIONS								
Models available	Platform length (m)	Platform width (m)	Number of cells	Cubic metre concrete	DIGITAL version			
					Basic version		Multirange version	
					Capacity (t)	Divisions (kg)	Capacity (t)	Divisions (kg)
SBP-CO 93	9,56	3	6	6,5	40	10	0-20	5
							20-40	10
SBP-CO 143	14,00	3	8	9,7	60	20	0-40	10
							40-60	20
SBP-CO 183	18,00	3	8	12,6	60	20	0-40	10
							40-60	20
SBP-CO 183	18,00	3	8	12,6	80	20	0-40	10
							40-80	20
SBP-CO 203	19,78	3	10	13,9	60	20	0-40	10
							40-60	20
SBP-CO 203	19,78	3	10	13,9	80	20	0-40	10
							40-80	20
SBP-CO 213	21,11	3	10	14,9	60	20	0-40	10
							40-60	20
SBP-CO 213	21,11	3	10	14,9	80	20	0-40	10
							40-80	20

IMPORTANT: SPECIAL DIMENSIONS AND CAPACITIES ON REQUEST

ANALOGUE version	
Capacity (t)	Divisions (kg)
40	10
60	20
80	20

SUPPLY

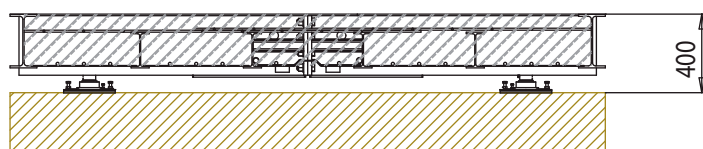
- The supply includes all the reinforcement required for the concrete cast
- 1.5 m wide semi panels complete with a lower closing plate
- Electrowelded mesh

THE CASTING OF THE CONCRETE IS EXCLUDED FROM THE SUPPLY

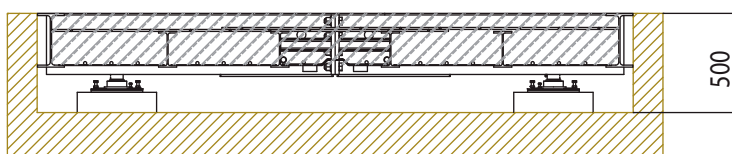
ACCESSORIES

- MULTI-RANGE Version (only for digital version)
- ATEX Version (for environments at risk of explosion)
- Electronic terminals and printers
- Frame for ramps made of compacted material
- Customised structure colour
- Peripheral electronic accessories
- Rodent-proof cable kit (for digital cells)
- Emula kit for wireless connections

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Surface mounted



Pit mounted

In line with our aim of continuous product improvement, we reserve the right to make modifications at any time and without prior notice to the products as illustrated in the above photographs