

FULLY ELECTRONIC PIT - LESS TYPE WEIGH BRIDGE

MODEL: **TWB SERIES**



Pitless Weighbridges:

A low profile weighbridge that is versatile and easy to install, the structure is almost identical as the former. But because it is elevated and installed on the Ground Level, maintenance works are far easier. However the land required for this is more as the approach ramps on both ends are a must. This type of weighbridge is particularly suitable if the site conditions are hazardous, rocky soil conditions also if relocation of site is anticipated.

Design Structure :

Complete all Steel structure, fabricated to form a box type squarish grid network in semi bolted construction covered with M.S. Plates duly ribbed, a rugged cubical web unique modular design. The modules consists of Steel deep section main "I" Beams, which are placed longitudinally in the direction of the traffic, which take the real weight. The load cells are mounted under these main beams. Cross 'H' beam modules are bolted / welded crosswise, carefully fabricated in rigid box type grid work to prevent deflection and distortion, even on overloads. Retrofit cubical web design is symmetrical axle load bearing, where the deck plate acts as a surface skin rather than part of the load bearing structure underneath. The sophisticated design is unmatched performance that others can only hope to emulate.

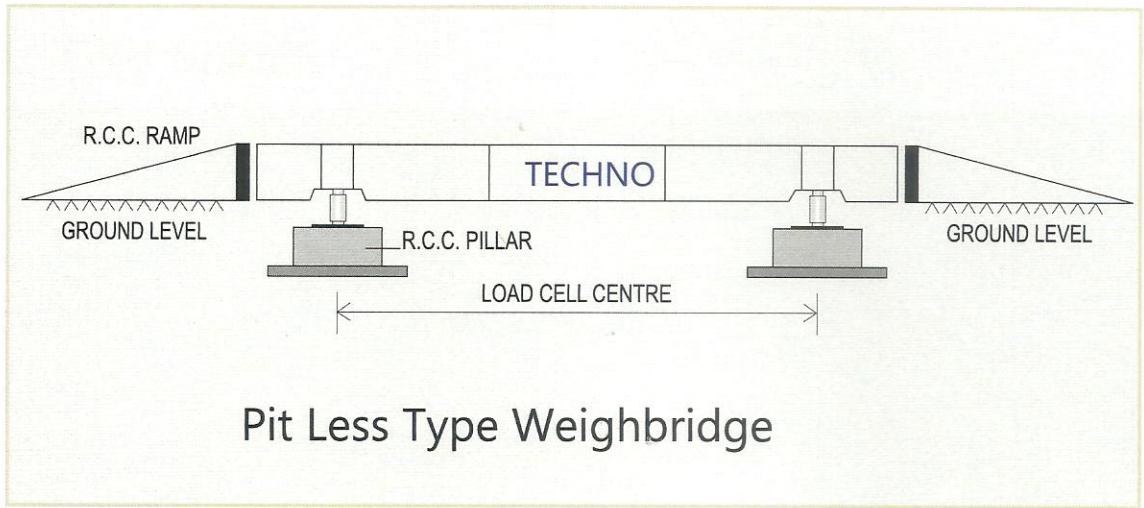
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NSIC
ISO 9001 : 2008



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Specifications - PIT TYPE Weigh Bridge

Standard Sizes	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAPACITY</th> <th>RESOLUTION</th> <th>PLATFORM Mtr</th> <th>TYPE OF VEHICLE</th> </tr> </thead> <tbody> <tr> <td>5 Mt</td> <td>1 Kg</td> <td>3.0 x 2.1</td> <td>Lorry, Temple, Chhako</td> </tr> <tr> <td>10 Mt</td> <td>2 Kg</td> <td>4.0 x 2.4</td> <td>Tractor Trolley, Tata 407</td> </tr> <tr> <td>25/30 Mt</td> <td>5 Kg</td> <td>6.6 x 3.0</td> <td>Tractor, Tata 709, Eicher, Truck</td> </tr> <tr> <td>40/50 Mt</td> <td>5 Kg</td> <td>7.5 x 3/9 x 3</td> <td>Truck (6/10 Wheel)</td> </tr> <tr> <td>50/60 Mt</td> <td>5/10 Kg</td> <td>12 x 3</td> <td>LPG Gas Tankar, Mini Tractor (14 Wheel)</td> </tr> <tr> <td>60/80 Mt</td> <td>10 Kg</td> <td>15 x 3/16 x 3</td> <td>Tailor (40Ft. Container), Body Tailor (18 Wheel)</td> </tr> <tr> <td>80/100 Mt</td> <td>10/20 Kg</td> <td>18 x 3/20 x 3</td> <td>Volvo (18 Wheel), Special Long Tailor</td> </tr> </tbody> </table>	CAPACITY	RESOLUTION	PLATFORM Mtr	TYPE OF VEHICLE	5 Mt	1 Kg	3.0 x 2.1	Lorry, Temple, Chhako	10 Mt	2 Kg	4.0 x 2.4	Tractor Trolley, Tata 407	25/30 Mt	5 Kg	6.6 x 3.0	Tractor, Tata 709, Eicher, Truck	40/50 Mt	5 Kg	7.5 x 3/9 x 3	Truck (6/10 Wheel)	50/60 Mt	5/10 Kg	12 x 3	LPG Gas Tankar, Mini Tractor (14 Wheel)	60/80 Mt	10 Kg	15 x 3/16 x 3	Tailor (40Ft. Container), Body Tailor (18 Wheel)	80/100 Mt	10/20 Kg	18 x 3/20 x 3	Volvo (18 Wheel), Special Long Tailor
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Load cell type	<p>“KELI” / “ZEMIC” BRAND Cup & Ball Type Shear Beam Loadcell</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>Protection class</td> <td>IP - 68</td> </tr> <tr> <td>Load cell output</td> <td>2 mv/v</td> </tr> <tr> <td>Load cell cable</td> <td>10 / 15 / 18 meters standard.</td> </tr> <tr> <td>Nos. of Load Cells</td> <td>4 / 6 / 8 / 10 nos.</td> </tr> </table>	Protection class	IP - 68	Load cell output	2 mv/v	Load cell cable	10 / 15 / 18 meters standard.	Nos. of Load Cells	4 / 6 / 8 / 10 nos.																								
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Girders / “I” Beam	Main Beam - 5 / 6 Nos. of Weigh bridge Length Cross Beam - 2 Nos. of Weigh bridge Width																																
Top Plate	8 / 10 / 12 mm MS Plain Top Plate with 12 mm Ribbed design																																
Foundation	Based on RCC raft and side. Brick walls saving 40% construction costs and time																																
Foundation parts	Modular cubical web bolting design, Special non-shrinking grouting materials used which are re- usable in relocations																																
Readability	5 / 10 / 20 Kg.																																
IT - Unit	Alpha Numeric Digitizer, with 1530 records memory, RS-232 Computer Interface																																
Mounting system	Self existing mounting using Self aligned loading																																
Safe loads	100% on dead load																																
Strength & safety	Overload protection : 150% static load load structural overload: 300% static load																																
Side Rail Kerbing	Optional in either side for vehicle guidance & safety																																
Installation	Fastest installation and easy relocation due to retrofit semi-bolted construction																																