FULLY ELECTRONIC PIT - TYPE WEIGH BRIDGE

MODEL: TWB SERIES (PIT)

Steel Pit type Weighbridges:

Suitable for use in areas of limited space, the PIT weighbridge is constructed with two main longitudinal steel I-Beams that are braced very rigidly with more smaller I-Beams transversely bearing I beam sections in adequate nos. and finally topped up with MS plates to complete the structure suitable for permanent type installations .Ground level deck provides safe access for trucks and personnel.

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 'I' 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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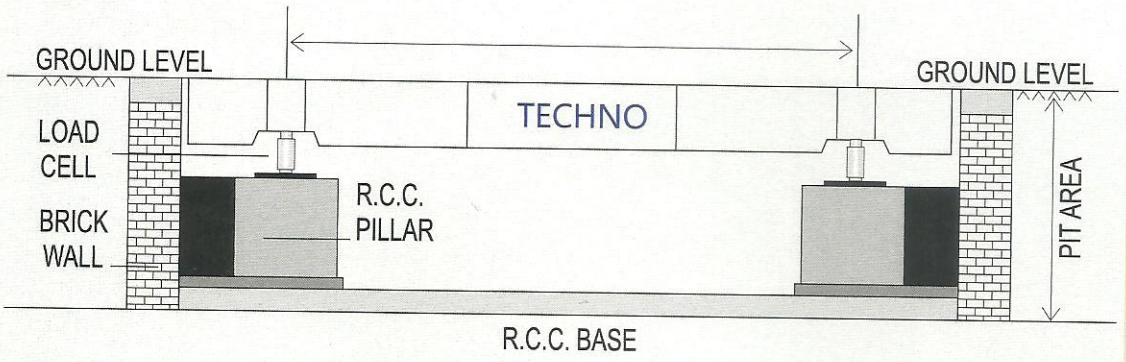

Pit Type Weighbridge

Specifications - PIT TYPE Weigh Bridge

Standard Sizes

CAPACITY	RESOLUTION	PLATFORM Mtr	TYPE OF VEHICLE
5 Mt	1 Kg	3.0 x 2.1	Lorry, Temple, Chhakdo
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 Trailor (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

Load cell type

"KELI" / "ZEMIC" BRAND Cup & Ball Type Shear Beam Loadcell

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.

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 Strength & safety	100% on dead load 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

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