

Tank/Hopper/Bin/Silo Weighing System



MAIN FEATURES:

- Simple installation
- Accurate operation under varied hostile conditions.
- Good accuracy and high resolution
- Unambiguous digital display, distant visibility.
- Microprocessor based operation.

INTRODUCTIONS

The Hopper Weighing System comprises of 3 Nos. strain gauge based loadcells, a junction box and a digital load indicator. All the necessary circuits and controls are housed in the load indicator. The loadcells are suitably installed and connected to the indicator.

With the incorporation of strain gauge based loadcells and high precision electronic components, high reliability and linearity has been achieved, to operate under any hostile environmental conditions.

TYPICAL MATERIALS THAT ARE STORED IN SILOS/TANKS/HOPPERS:

- Food and drink ingredients, e.g. wheat, flour, glucose syrup, grain, ethanol, fruit juices, edible oils such as olive oils
- Plastic pellets
- Biomass pellets
- Fertilizers
- Minerals and mined products, e.g. charcoal, sulphur, nickel, copper, iron ore
- Paint
- Concrete and cement
- And many others...

NUMBER OF SUPPORTS

The number of supports depends on the capacity as well as the shape of the hopper/bin. Normally three/four supports are used. In case of a very large bins/silos more than four supports are used depending upon the configuration.

SPECIFICATIONS

Weighing Range	100Kg - 3000Tonnes
Load Sensor	Precision Strain Gauge Load cell
System Accuracy	Depends on the number of load cells/type of load cell used/configure & capacity of the system
Zeroing	By soft touch keypad
Indicator	LED display
Power Supply	230V, 50Hz
Temp. Range	+5°C to +55°C
Enclosure	Electronics: I) IP-20 for power panel
	II) IP-54 for wall mounting
	III) Flame proof housing (optional)

DIGITAL LOAD INDICATOR / CONTROLLER

The Digital Load Indicator/controller is a wall/ panel mounting type designed to accept strain gauge transducer (loadcells) outputs. The output of the transducers is connected to the indicator through the junction box provided. These are size fit all indicator/controller. packed with speed, memory & flexibility and also, we can be offered in flame-proof enclosure.

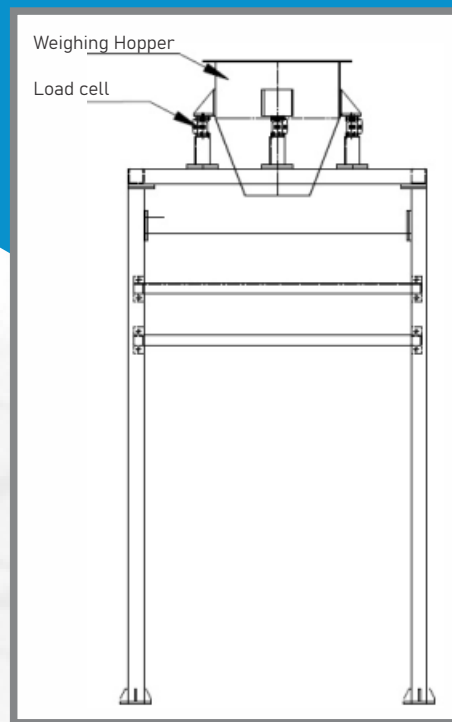
INDICATORS



DS Indicator



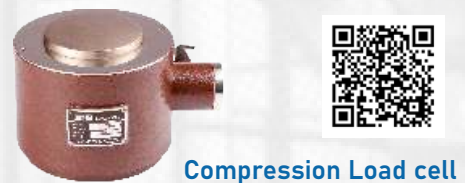
DQ Indicator



Binocular Load cell



Single Shear Load cell



Compression Load cell



Column Load cell



Double ended Shear Beam Load cell

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