ABN: 20 068 667 265 UNIT 7, 16 RELIANCE DR, TUGGERAH NSW 2259
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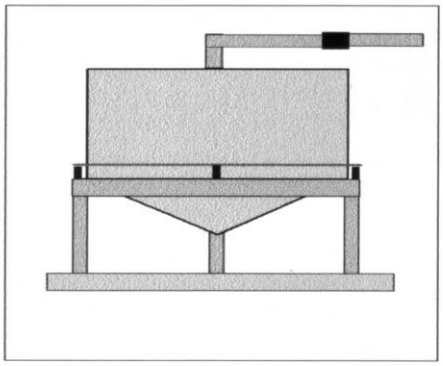
BIN-WEIGH



Reliable bin contents measurement

Wide capacity range

High real operator confidence

Bin **weighing** systems **provide reliable bin contents measurement** with accuracies upon which informed process control decisions can be made

In fact, measuring the actual **weight** of the contents in bulk bins has proven to be overall a **more reliable**, and **accurate**, method than internally mounted capacitance probes, ultrasonic, or radar systems.

Because process conditions vary, depending on whether the bin is filling or emptying, and commonly even both conditions concurrently, internally located methods can have quite significant inaccuracies.

The **weighing** method **overcomes** such **inaccuracies** because it measures the total **vessel contents** independent of profile.

Weighing, as an **external measurement**, is therefore unaffected by internal mechanical forces, material type or profile, product temperature , airborne dust, or product moisture variations.

Load cell types applicable include robust single and double ended shear-beams, canister and pancake cells, and miniature compression cells.

Various types of local and remote weighing indicators and controls are available to suit your specific application needs.

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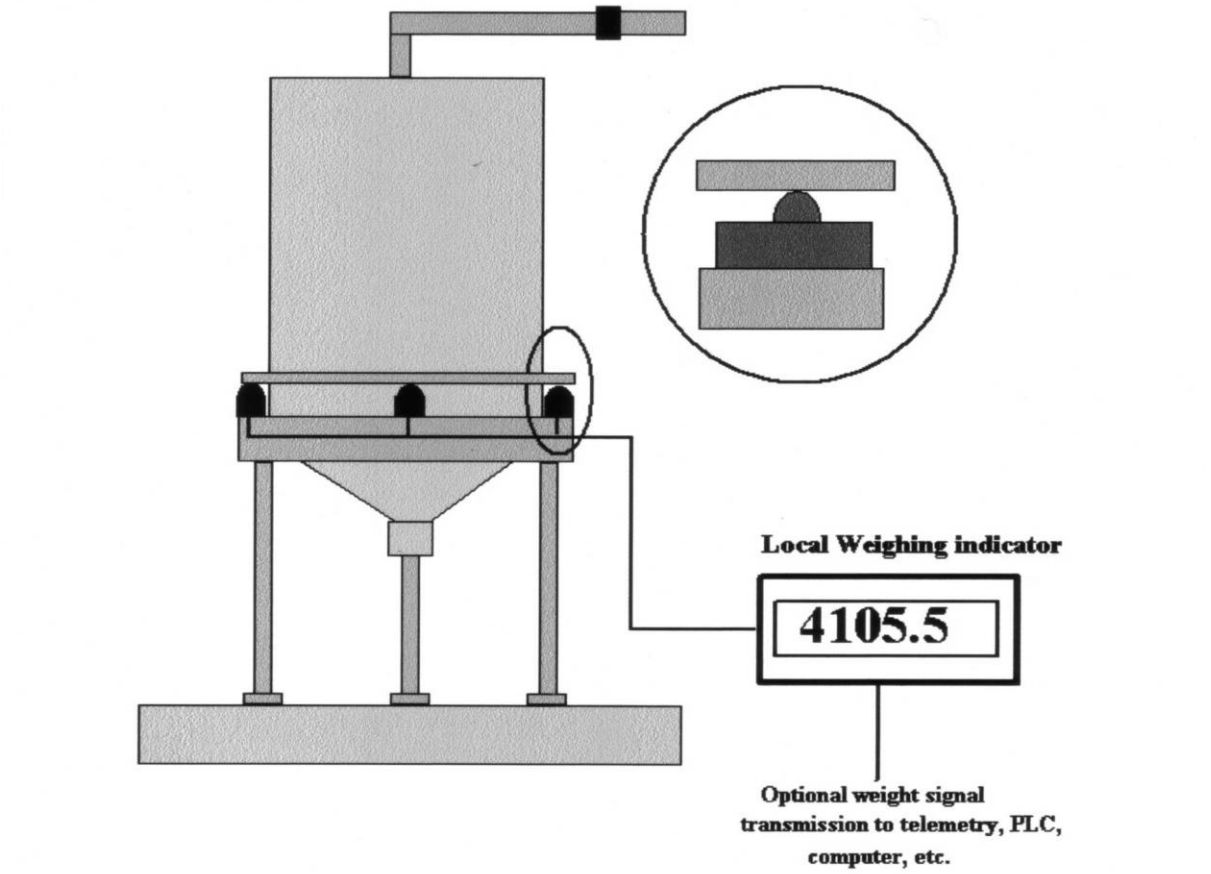

System Specifications

Bin capacity range:	From 1 tonne to more than 100 tonnes
Loadcell types:	Depending on the application and system capacity there are several loadcell types which could be used. Bins with total loads up to around 30—40 tonnes would probably incorporate single ended shearbeam loadcells. As capacities increase double ended shearbeam cells with integral mounting assembly are commonly used because of their inbuilt constraint systems. Lower profiles can be achieved by use of pancake style or miniature compression cells. In wet environments the use of various types of hermetically sealed is often appropriate.
Construction:	Loadcells in electroplated or painted tool steel or stainless steel Mounting assemblies of electroplated steel or stainless steel.
Weighing indicator:	Weighing indicators can provide either just a local display or can be fitted to provide either analogue or serial retransmission to a remotely mounted PLC or computer system. Large local displays are also available.
Power supply:	Power for the weighing indicator can be AC or DC. Loadcell supply is provided by the weighing indicator.