

Features SIC Digital Indicator-

- **Self diagnostic routine.**
- **Auto Zero tracking.**
- **Battery backup with inbuilt charger.**
- **Real time clock with battery back up.**
- **Tare up to full capacity.**
- **High speed ADC to get accurate & correct reading**
- **Intelligent Indicator for processing & data management. PC not required.**
- **O/P of individual load cell is displayed on indicator LCD screen along with total weight.**
- **Non volatile memory up to 10,000 dual transactions record.**
- **16 character alpha numeric LCD display with backlight to display date, time & weight.**
- **101 key IBM key board for data entry.**
- **13mm LED display & optional parallel 2 inch LED Seven segment Red LED display.**
- **RS232C port to connect indicator to computer**
- **Centronics compatible Parallel port.**
- **Full digital Calibration in 3 Types A) 5 step B) 2step. & Smart calibration.**
- **Weighing ticket Print customer friendly Format with editable heading.**
- **Daily reports are available in 5 different Types**
- **1) Date wise 2) Rct.wise 3) Material wise.4) Charge wise.5) Vehicle Wise.**

WHY SANSUI DIGITAL LOADCELL?

Sansui with continuous innovation brings you the latest technology digital weigh bridge, which consists of 4/6/8 No of digital load cells, connected to a intelligent & smart weighing indicator. In Sansui Digital Weigh Bridge each load cell is identified by its own specific no. by Smart scan software inbuilt inside the weighing terminal as well in load cell. All the digital load cells are connected via RS 485 interface.

Presently existing weighbridge with analog load cells are facing following problems with bellow areas.

- 1) Weigh bridge Calibration & Cornering.**
- 2) Diagnostic & Fault finding**
- 3) Fluctuation & noise interference due to long cable run**
- 4) Lightening**
- 5) Environmental sealing.**
- 6) Moisture ingress in cable.**
- 7) Less accuracy.**
- 8) Increase problems with increase in no of load cells.**

The commissioning & cornering of weighbridge is a vital step in ensuring that the performance of weighbridge is optimized. All digital load cells are Calibrated & Cornered in-house. Calibration & cornering is done with the help of highly sophisticated machines. Calibration data is stored in the load cell these reduces the labour cost & time to lift the weight at site.

Weighbridge with combination of analog load cells, fault finding can be costly & time consuming. To find out the faulty load cell Engg has to check individual load by removing each load cell connection from the junction box. The most significant difference between analog over digital load cell is although all load cells are connected together, each load cell operates as a stand alone device. This offers benefits in diagnostic & fault finding.

In plug & Play version of digital load cells, replacement of cable very is easy. No need to replace the complete load cell.

In analog load cells the analog signal is affected by vibration, noise & long cable resulting in to weak O/P signal. In digital load cell integillent electronic inside consist of processor, A/d converter & RS 485 interface thus solving the problem of poor analog signal.

Sansui Weighbridge load cell are hermitically sealed & designed to sense the load under a wide variety of adverse conditions digital load cell benefits from the fact that strain gauge bridge is located very close to amplifier & so the signal is less affected by temp & moisture. The I/P & O/P line of digital load cells are filtered to reduce noise & smart electronic provided to prevent the damage of load cell due to lightening

