

25 years



Weighing & Automation

CT 302 11

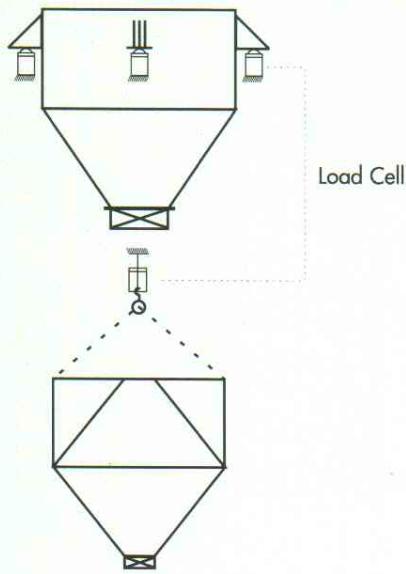
ISO 9001: 2000

Company

Tank / Hopper / Bin / Silo

WEIGHING SYSTEM



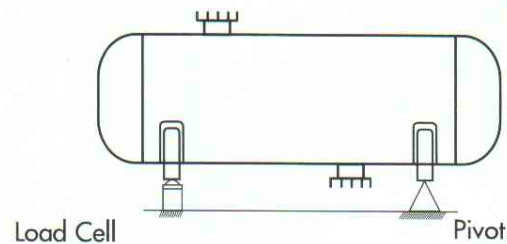
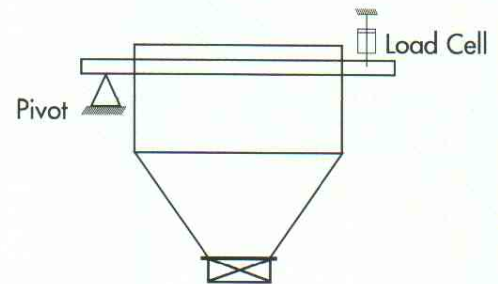


TANK / HOPPER / BIN / SILO WEIGHING SYSTEM

Weighing the contents in Tanks/Hoppers/Bins/Silos is of importance in process industries, which may either be for accounting or for process control. The weighing can be done in two ways viz, Partial weighing & Total weighing. For total Weighment, the tank will be supported on active load cells and its output gives an electrical signal proportional to the total load.

For level measurements of Bins / Silos, cost effective partial weighing technique is employed. The bin is supported with dummy loadcells on one side and active loadcells on otherside. The system is suitably calibrated.

Accurate weighment is ensured where there is uniform distribution of materials inside the bin, as in the case of liquids.



NUMBER OF SUPPORTS

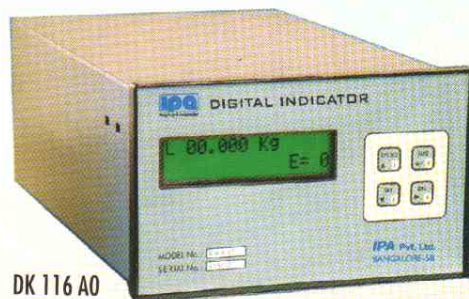
The number of supports depends on the capacity, as well as the shape of the Hopper/Bin. Normally three / four supports are used. In case of a very large Bins / Silos more than four supports are used depending upon the configuration.

SPECIFICATIONS

weighing Range	:	100Kg - 3000 Tonnes
Load Sensor	:	Precision Strain Gauge Load cell
System Accuracy	:	Depends on the number of load cells / type of load cells used / configuration & Capacity of the system
Zeroing	:	By soft touch keypad
Indicator	:	LED display or LCD (for more details refer indicator data sheet)
Power Supply	:	230V, 50Hz, 10% (Optional : 110V, 50Hz, 10%)
Temp. Range	:	+5°C to +55°C
Enclosure : Electronics	:	i IP-20 for Panel Mounting ii IP-54 for wall mounting iii. Flame proof housing (optional) (for more details refer indicator data sheet)



DI 145 A0



DK 116 A0

Model : **DI 145 A0** : **DK 116 A0 / DK 145 A0**

Power Supply : 90-260V, 50Hz AC

: 230V 50Hz AC

Optional : -----

: 110V 50Hz AC

Excitation to Transducer : 5V DC, 350 Ω
for max. 4 Loadcell
for 4 wire system

: 10V DC, for 350 Ω Bridge
for max. 4 Loadcell for
4 wire system

INPUT

Analog : 20 mV DC (Max)
(from Loadcell)

: 20mV DC
(from Loadcells)

Digital : -----

: 4 Nos. PF

Resolution : 1 in 10000

: 1 in 10000

OUTPUT

Analog : 0-20mA / 4-20mA / 0-5V DC

: 4-20mA (Isolated)/0-5V/0-20mA/0-24mA

Digital : P.F.Contacts (6Nos) at 3A, 230V AC

: P.F Contacts (4 Nos) at 3A, 230V AC

Optional : RS 485 / Rs 232, with adjustable
Baud rate

RS 485 / RS 232 / PRINTER PORT / Peak Hold

DISPLAY : 13 mm Height, 5 digit,
7 segment, Red LED

: 2 line 16 characters with backlit LCD/
13 mm height, 5 digit, 7 segment, Red LED

Operating Temperature : 5 - 50 $^{\circ}$ C

: 5 - 50 $^{\circ}$ C

Application : Small Batching System and Hopper/
Silo / Tank / Bin Weighing System

: Hopper / Silo / Tank. Bin / Batch Weighing
System
: Software can be changed for
different applications.

DIMENSIONS

Panel Mounting : 315 x 125 x 265 (WxHxD)

: 288 x 144 x 400 (WxHxD)

Wall Mounting : -----

300 x 400 x 210 (WxHxD)

*Note: 1. DK series indicator can be modified as per requirement
2. The Indicator can be offered in flame-proof Enclosure*



IPA PVT LTD., the pioneers in strain gauge and Load Cell related technology in India was incorporated in the year 1977 and has since been growing from strength to strength. Our core strength has been load cells from 200 gms to 2000 tonnes capacity conforming to international standards. Our products are continuously upgraded by our full fledged R & D department recognised by the Government of India. We are referred to as the "House of Weighing and Automation" in the light of our capacity to manufacture basic sensors, monitoring and controlling modules and custom engineered weighing solutions, having more than 8000 installations all over the globe, with major installations in Iron and Steel, Cement, Petrochemical and other Process industries. An ISO 9001: 2000 Certification company, IPA has more than 20 sales and service centers spread over the country ensuring total customer satisfaction.

RANGE OF PRODUCTS

- Load Cells • Pressure Transducers • Torque Transducers • Electronic Scales
- Piezo-Electric Accelerometers • Level Sensors • Trip Safe • Vibration Switches • Vibration Meters
- Strain Gauges • Force Calibrator • Ultrasonic Level Sensor
- Field Programmable Indicators • Tank/Hopper/Bin/Silo Weighers • Filling Machines
- Lorry Weigh Bridges • Hook-On Crane Scales • Tele-Crane • Crane weighing Systems
- Batching Systems • Loss-in-weight Feeders
- Belt weighers • Weigh Feeders • Impact Flow Meters • Differential Feeders
- Check Weighers • Jet Pulse Filters • Online Weighting Machines

We also undertake custom-built systems.

Note: Due to continuous up-gradation, specifications are subject to change without notice.

IPA Pvt. Ltd.

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