



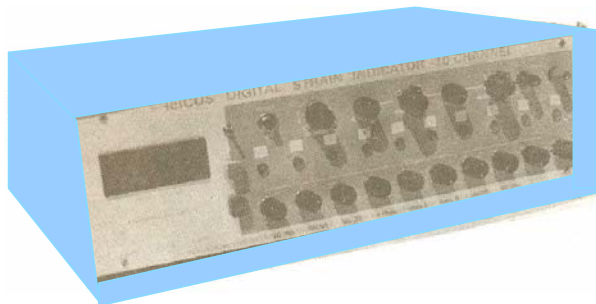
IEICOS DIGITAL LOAD INDICATORS AND LOAD CELLS

IEICOS Digital Load Indicators are digital read out instruments designed to operate in conjunction with Low Level Millivolt Input Signals from Load Cells.

The Digital Indicator can be calibrated to provide the read out in any engineering units- Kgs, Tones, Pounds etc.

These Indicators exhibit exceptionally good linearity without errors of Parallax, reading interpretation or tracking, inherent in other analog devices.

10 Channel Digital Load Indicator



IEICOS DIGITAL LOAD INDICATOR



The Indicator incorporates an excitation source. Tare Balance and Calibration Controls for Operation of the Transducer.

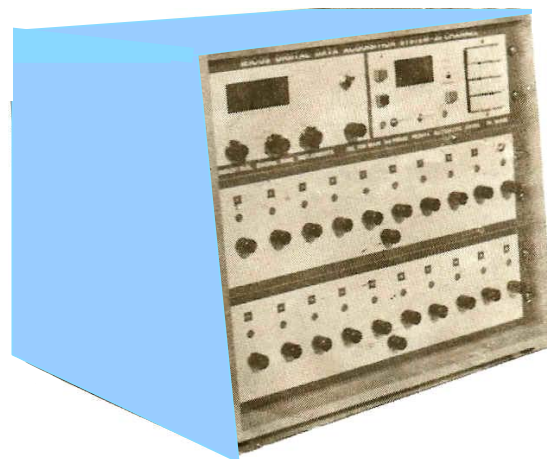
Inbuilt signal conditioning Instrumentation amplifiers are designed for high performance with minimum zero drift and high reliability.

Indicators have inbuilt Analog Outputs proportional to Load brought out to the front panel. Special Analog outputs such as 0-5V, 0-10V, 4-20mA etc, for interfacing to computer and other process circuits can be provided. RS 232, Centronics parallel port outputs can also be provided in special cases. These indicators are available in Single, Five, Ten and Multi Channel Models.

Specifications:

Model	-255
Channel	-Single, Five Ten, Multichannel
Display	-3 ½ Digit/4 ½ Digit. Seven segment display.
Linearity	-+/- 0.1% of Fullscale.
Polarity	-+ and - (Depends on the type of force)
Decimal	-Set according to range of transducer.
Stability	-Within +/- 1 Count.
Load Cell Excitation	- 12 V DC Nominal
Operating Temperature Range	-10-50C
Analog Output	- Standard mV Output
Optionals	- 0-5V/0-10 V/4-20m A-
Rs 232 Output	-Battery operated.
Power requirements	- 230 V 50 Hz

20 Channel Digital Load Indicator microprocessor/micro controller based auto scan



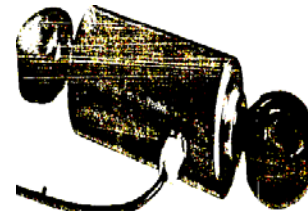
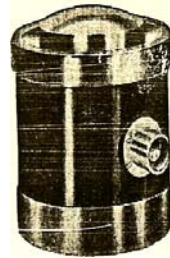
IEICOS STRAIN GAUGE BONDED LOAD CELLS

Load Cells are electronic transducers, which translate changes in force or weight into changes in voltage. This change in voltage produces an indication in the Digital Read Out Instrument, which can be calibrated directly in terms of the load applied to the cell.

Compression Type

Tension type

IEICOS Load Cells contain very sensitive Strain Gauges effectively bonded to internal load sensing elements of high quality stainless steel machined to close tolerances and tested for its strength.

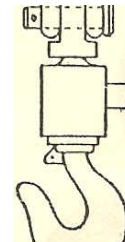
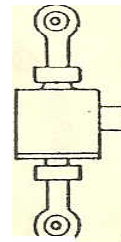
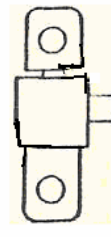


The Strain Gauges are electrically connected into a wheat stone bridge circuit which, when excited from an external power source, produces an output voltage proportional to the applied load.

IEICOS Load Cells are temperature compensated to minimize output variations over a wide range of operating temperatures.

Applications:

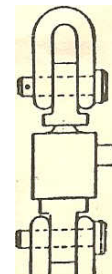
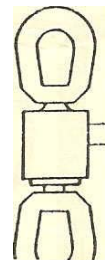
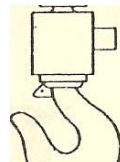
1. Weights equipment and filling process control with boilers, tanks, silos, rails and road vehicles.
2. Dosing equipment for foundries, for concrete mixers and for the chemical industry.
3. Automatic weight control with conveyor belts.
4. Overload safety devices with cranes, lifts and elevators.
5. Automatic rope tension control
6. Measurement of pushing forces in turbo jet engines, fluid fuel and solid fuel rockets.
7. Measurement of compression forces on press, spot welding machines, etc.,
8. Load measuring equipment for material testing machines/Universal-testing machines.



**FEMALE PULL PLUG
MALE PULL PLUG**

**END ROD CONNECTOR
CONNECTOR STUD
END ROD CONNECTOR**

**FEMALE PULL PLUG
STATIONARY HOOK**



**SHACKLE & PIN
FEMALE PULL PLUG
STATIONARY HOOK**

**LIFTING EYE
CONNECTOR**

**SHACKLE & PINS
FEMALE & MALE
PULL PLUG**

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