

Load Cells & Digital Load Indicators

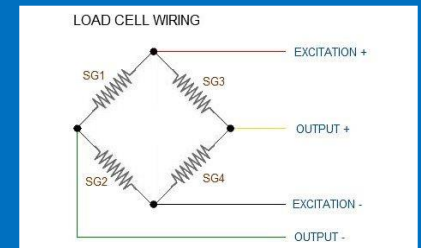
PRC offers various types of Load cells & Digital Load Indicators to suit the varied requirement of customers. We also make non-standard capacity load cells, digital indicators & data acquisition systems as per the customer's requirement.

S type load cell	-	10 Kg to 20 Tons (for compression & tension)
Compression type load cells	-	50 to 500 Tons
Button type load cells	-	100 Kg to 100 Tons
Shear beam type load cells	-	10 Tons to 50 Tons
Platform type load cells	-	1 Kg to 1000 Kg
Pan cake type load cells	-	50 Kg to 50 Tons



Common Technical Specification:

Rated Output	-	2.0002 mV/V
Sensitivity	-	0.8 mV/V approx
Gauge resistance	-	120/350 ohms.
Repeatability	-	0.020 (% FS)
Bridge Balancing	-	Perfect
Excitation voltage	-	1 to 5V DC or RMS AC
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Temp. Range	-	(-)10 to 55 °C
Temp. Effect on zero	-	0.01 % FSD / °C,
Temp. Effect on span	-	0.01% FSD/ °C
Termination	-	3 meter, 4-core shielded cable
Dimensions	-	Available on demand
Creep	-	0.019 (% F.S/30 min)
Zero balance	-	±1 (% FS)
Input impedance	-	350 ± 5 (Ω)
Output impedance	-	350 ± 5 (Ω)
Safe overload	-	120 (% FS)
Ultimate Overload	-	150 (% FS)

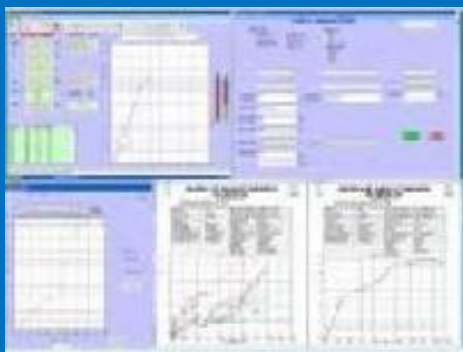


Digital Load Indicators & Data Acquisition Systems:

➤ Application	-	Suitable for multiple physical parameters.
➤ Display	-	5 / 6 Digit 7 Segment display.
➤ Input	-	Any Strain gauge-based sensor / transducer.
➤ Calibration	-	Multi (10 points) Calibration for Non Linear Applications.
➤ Output	-	2 Set point Relay output / 1 Relay output
➤ Function	-	Unit conversion & Peak hold function.
➤ Keypad	-	4 keys to enter parameters.

Image

Technical Specification



Digital Indicators:

- **Application** Suitable for multiple physical parameters.
- **Display** 5 / 6 Digit 7 Segment display.
- **Input** Any Strain gauge based sensor / transducer.
- **Calibration** Multi (10 points) Calibration for Non Linear Applications.
- **Output** 2 Set point Relay output / 1 Relay output
- **Function** Unit conversion & Peak hold function.
- **Keypad** 4 keys to enter parameters.
- **Optional:** RS 232 Port, Modbus 485

Data Acquisition Systems:

- **Application** Suitable for Compression / Tensile Testing Machines.
- **Display** 20 x 4 lines LCD with backlight.
- **Inputs** Strain Gauge type for Load Cell / Pressure transducers. Optical Encoder for DISPLACEMENT.
- **Calibration** Auto Calibration for Load & Displacement.
- **Output** Start Relay output in OFF/ON mode.
- **Protection** Against Over load & over travel.
- **On Screen display** Breaking Load & Displacement.
- **Memory** to Save 255 sample results.
- **Extra facilities** Unit Conversion, Data printing & Date and Time.

Contact us:

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We Also manufacture:

- ✓ Microcontroller Based Systems for Load, Pressure, Torque, Displacement, Temperature, Multifunction Digital Indicators, Batching Systems, Data Acquisition Systems, Air Leakage Testing System, Light Testing System, Timers, Counters, Production Counter, Impact Tester, Hardness Tester. We also undertake Design & Development of Customized requirements