

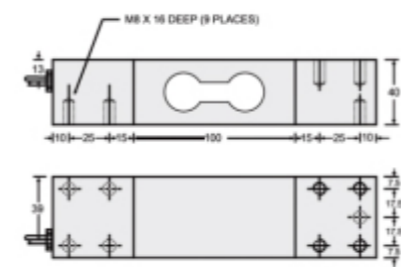
LOAD CELLS - PFS-410



A load cell is a transducer that is used to create an electrical signal whose magnitude is directly proportional to the force being measured. The various types of load cells include hydraulic load cells, pneumatic load cells and strain gauge load cells.

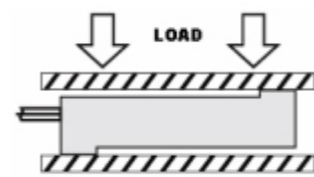
Features

- Model PFS-410 is a strain gauge based single point bending beam load cell and is ideal for precision single point platform scale applications.
- High strength Aluminium Alloy body, single point load cell.
- Off-center load cell
- Protection Class IP65
- Wide capacity range
- Temperature range -10°C ~ +50°C



Technical Specifications

- Capacities 200, 300, 500, 750, 1000 kg
- Sensitivity $2.0 \pm 1\%$ mV/V
- Non - Linearity $\pm 0.02\%$ FS
- Hysteresis $\pm 0.02\%$ FS
- Repeatability $\pm 0.02\%$ FS
- Creep (30 min) $\pm 0.03\%$ FS
- Temp. effect span $\pm 0.0015\%$ FS/°C
- Temp effect zero $\pm 0.0020\%$ FS/°C
- Temperature compensated range -10 ~ +50°C
- Temperature operating range -10 ~ +60°C
- Input resistance $400 \pm 15\Omega$
- Output resistance $350 \pm 5\Omega$
- Insulation resistance $> 1000 \text{ M}\Omega$
- Safe load 150% FS
- Ultimate load 200% FS
- Recommended excitation 10V (DC/AC)
- Maximum excitation 12V (DC/AC)
- Construction Alloy Steel
- Environmental protection IP 65
- Max. platform size 750 x 750 mm
- Cable 3m



enquiry

Product enquiry



Name

Product Name

Email

Quantity

Phone

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