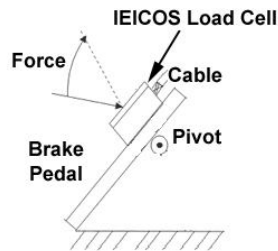




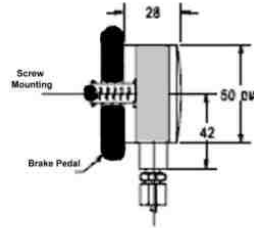
FOOT BRAKE PEDAL FORCE LOAD CELL

LC-FBP

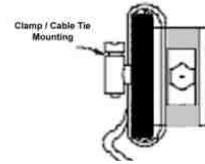
The Foot Brake Pedal (FBP) Load Cell is a compact, low profile strain gauge load cell for measuring forces applied to brake pedal. The load cell is robust in construction with a maximum force range of 200kg. It allows simple attachment to any shape pedal using screws, with adjustable clamps or with cable ties. Load cell is manufactured from stainless steel for ruggedized application. Standard size shown in mounting details, other sizes as per customer requirement can be manufactured. Please provide drawing with details.



Application Details



Mounting Details



Wiring Scheme

Red + (Input +) Yellow - (Output -) Black - (Input -) Green + (Output +)

Performance Specification

Standard Capacities	100 Kg, 200 Kg, 500 Kg,
Excitation Voltage	10 VDC - Maximum 15 VDC
Nominal Output	0.25 - 1 mV/ V
Non - Linearity	< $\pm 0.5\%$ FSO
Hysteresis	< $\pm 0.5\%$ FSO
Non-Repeatability	< $\pm 0.5\%$ FSO
Creep (30 minutes)	< $\pm 0.5\%$ FSO
Zero Balance	$\pm 1.0\%$ FSO
Input Resistance	350 ± 5 Ohms
Output Resistance	350 ± 5 Ohms
Insulation Resistance (50 VDC)	> 1000 Mega Ohms
Cable Length (4 Core Screened)	500 mm. Minimum
Safe Overload of Rated Capacity	150%
Ultimate Overload of Rated Capacity	200%
Temp. Compensated Range	0-60 °C
Temperature Effect on Output	< 0.0015% FSO/ °C
Temperature Effect on Zero	< 0.0020% FSO/ °C
Frequency Response	3 KHz (nominal)

INDUSTRIAL ENGINEERING INSTRUMENTS

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Due to continuous improvement, specifications, dimensions, look, color, feel and features subject to change without notice.