



Low Profile COLUMN TYPE COMPRESSION LOAD CELL FOR HYDRAULIC PRESSES

LC-CTC-P

IEICOS Low Profile Column Type Compression Load Cell for Presses for measurement of compression loads in hydraulic and other presses. It is manufactured from high grade stainless steel and is available from 100 Kgf to 100T capacity. The load cell is provided with flat machined end on one side and a threaded hole on the other which is matched with the hydraulic jack end or other loading arrangement to apply load along its axis.



Wiring Scheme

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

Performance Specification

Standard Capacities	100 Kg, 200 Kg, 500 Kg, 1T, 2T, 5T, 10T, 20T, 50T, 100T
Excitation Voltage	10 VDC - Maximum 15 VDC
Nominal Output	0.25 - 1 mV/ V
Non - Linearity	< ±0.5% FSO
Hysteresis	< ±0.5% FSO
Non-Repeatability	< ±0.5% FSO
Creep (30 minutes)	< ±0.5% FSO
Zero Balance	±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

Manufacturers of Techno Electronic Aids Devices, Instruments and Systems,
203, 12th Main Road, 3rd Phase, Peenya Industrial Area,
Peenya, Bangalore-560058. Karnataka, India.

Phone : 91-80-28394520 Fax : 91-80-28371386

Email: info@ieicos.com Web Site: www.ieicos.com

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