

# MODEL 90210 HEAVY DUTY COMPRESSION LOAD CELL

## Description

Model 90210 is a Strain Gage based, compact & low profile compression type load cell. It is constructed from Electroless Nickel Plated Tool Steel material. The cell is recommended for tank, Hopper, hydraulic press, compression force testing, Civil & construction material testing applications.

## Features

- ❖ 300 Tf to 500 Tf capacity
- ❖ Compact & Low Profile
- ❖ Dual Bridge For sensor redundancy can be provided optionally

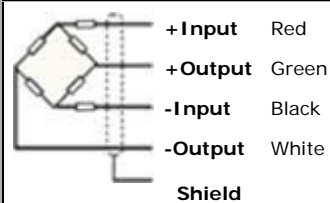
## Applications

- ❖ Compression Force Testing
- ❖ Hydraulic Press
- ❖ Tank, Silo Weighing
- ❖ Civil & Construction Material Testing.
- ❖ Pile & Structure Testing

## Performance Specification

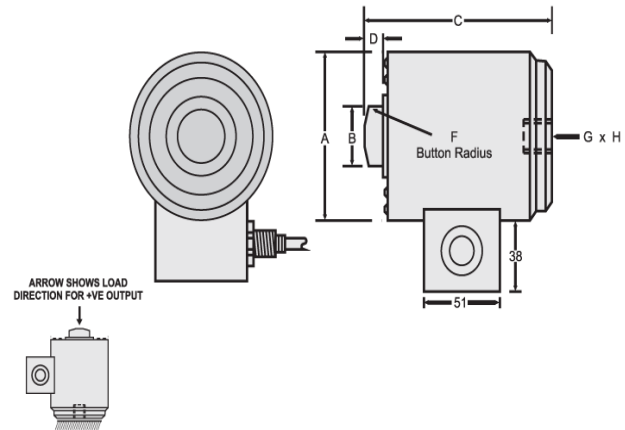
Standard Capacities	300, 400, 500 Tf.
Excitation Voltage	10VDC-Maximum 15VDC
Nominal Output	2.0 mV/V
Non - Linearity	< ±0.3% FSO (Full Scale Output)
Hysteresis	< ±0.1% FSO
Non-Repeatability	< ±0.1% FSO
Creep (30 minutes)	< ±0.1% FSO
Input Resistance	770 ± 2.0 Ohms
Output Resistance	700 ± 2 Ohms
Insulation Resistance (50V)	>1000 Mega Ohms
Cable Length (4 Core)	10 Mtr.
Safe Overload	150%
Ultimate Overload of Rated	300%
Temp. Compensated Range	0-60 °C
Temperature Effect on Output	< 0.0015% FSO/ °C
Temperature Effect on Zero	< 0.0020% FSO/ °C
Deflection	< 0.5 mm at FSO
Material of Construction	Electroless Nickel Plated Tool Steel
Environmental Protection Class	IP65 – Gage Area

## Electrical Termination



CAPACITY TF	A	B	C	D	F	G	H
300,400,500	200	120	280	25	430	M20 X 1.50	25

Specifications are subject to change without notice



Manufactured by:

**ADI ARTECH**  
**TRANSDUCERS PVT. LTD.**

A Joint venture with  
 ARTECH INDUSTRIES INC., U.S.A

917/1, G.I.D.C. Estate, Makarpura Vadodara - 390 010. Gujarat, INDIA

**Ph** : +91-265-2655083, 2651023

**Fax** : +91-265-2638751

**M** : +91-9374068998, 9327425560

**Email** : sales@adiartech.com, adiartech@adiartech.com,  
 artechad1@sancharnet.in

**Website:** www.adiartech.com