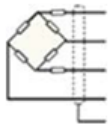


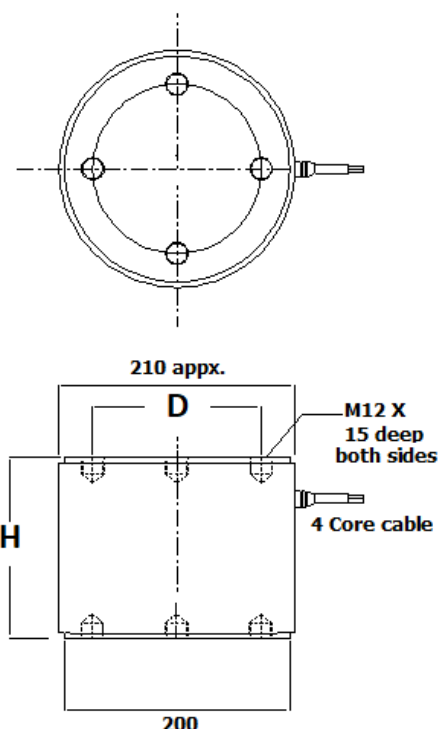
# MODEL 90810-T COMPRESSION LOAD CELL

## Description

**CE Certified** Model 90810-T is a Strain Gage based, compact & low profile compression type Heavy Duty Load Cell. It is constructed from Electroless Nickel Plated Tool Steel material. This load cell is recommended for tank, Hopper, hydraulic press, compression force testing, Civil & construction material testing applications. It is compensated for temperature from 10 to 50 deg. C. Loading and Mounting surfaces are provided with threads.

Features	
<ul style="list-style-type: none"> <li>❖ <b>CE Rated</b> ❖ 50 Tf to 1000 Tf capacity</li> <li>❖ Compact &amp; Low Profile</li> <li>❖ Dual Bridge For sensor redundancy can be provided optionally</li> </ul>	
Applications	
<ul style="list-style-type: none"> <li>❖ Compression Force Testing</li> <li>❖ Hydraulic Press</li> <li>❖ Tank, Silo Weighing</li> <li>❖ Civil &amp; Construction Material Testing.</li> <li>❖ Pile &amp; Structure Testing</li> </ul>	
Performance Specification	
Standard Capacities (Tf.)	50, 100, 200, 300, 500 ,750 , 1000
Excitation Voltage	10VDC-Maximum 15VDC
Nominal Output	2.0 mV/V
Non - Linearity	<±0.5% FSO (Full Scale Output)
Hysteresis	<±0.2% FSO
Non-Repeatability	<±0.15% FSO
Creep (30 minutes)	<±0.15% FSO
Input Resistance	770 ± 5.0 Ohms
Output Resistance	700 ± 3.0 Ohms
Insulation Resistance (50V)	>1000 Mega Ohms
Cable Length (4 Core)	5Meters
Safe Overload	150%
Ultimate Overload of Rated	200%
Temp. Compensated Range	0-50 °C
Temperature Effect on Output	< 0.005% FSO/ °C
Temperature Effect on Zero	< 0.0030% FSO/ °C
Deflection	< 0.4 mm at FSO
Material of Construction	Electro less Nickel Plated Tool Steel
Environmental Protection Class	IP65 - Gage Area
Electrical Termination	Options
 <ul style="list-style-type: none"> <li>+ Input - Red</li> <li>+ Output - Green</li> <li>- Input - Black</li> <li>- Output - White</li> <li>Shield - Floated</li> </ul>	<ul style="list-style-type: none"> <li>*Compatible Instruments with Relay output, 4-20 mA or 0-2 Volt Output</li> <li>*Digital Version with RS-485 interface / USB output /Blue Tooth Telemetry / Wireless Telemetry</li> <li>*Software for Graphic, Tabulation and Reporting</li> </ul>

Cap. (Tf)	H	D
50, 100, 200	160	150
300, 500	230	150
750, 1000	260	185



Specification are subject to change.

All dimensions are in mm.



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