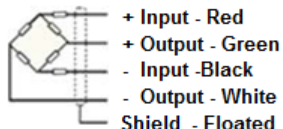
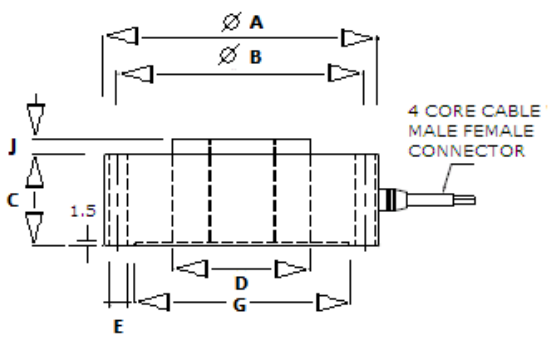
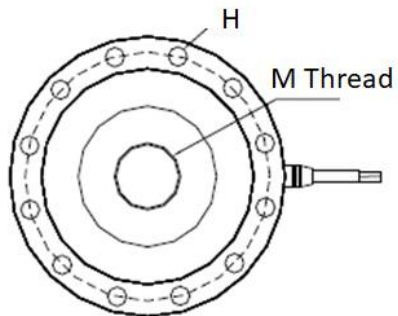
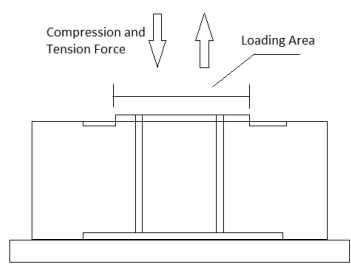


**Description**

90610 – T is pancake type load cell & it is strain gage based sensor with temperature compensation over 0 to 60°C. It is precision measuring sensor & is used in research, testing, automation, robotics & uniaxial testing machines. This is constructed from SS 17-4 PH / High Tensile grade tool steel suitable for harsh industrial applications. It is sealed for IP65 protection class and it has long life. It is available with integral thread for axial loading. This can be supplied optionally at an extra cost with matched threaded base plate suitable for tension/compression applications.

Features	
50 Kgf. to 400Tf Capacities offered	Low profile design for Tensile & Compression force measuring
Can be customized with Dual Bridge construction	6 Core cable for precision measurement can be offered optionally
Applications	
Can be used as reference standard	Material testing
Fatigue testing	Force Calibration
Industrial Automation	Robotics
Research	Static & Dynamic Force Measurement
Performance Specification	
Standard Capacities (TF)	0.05, 0.1, 0.2, 0.3, 0.5, 0.75, 1, 1.5, 2, 3, 5, 7.5, 10, 15, 20, 30, 50, 75, 100, 150, 200, 300, 400, 450
Excitation Voltage	10 VDC- Maximum 15 VDC
Nominal Output	2.0 m V / V
Non - Linearity	< ±0.1% FSO (Full Scale Output)
Hysteresis	< ±0.15% FSO
Non-Repeatability	< ±0.1% FSO
Creep (30 minutes)	< ±0.04% FSO
Zero Balance	±1.0% FSO
Input Resistance	770 ± 20 Ohms 2T & Above 390 ± 10 Ohms up to 1T
Output Resistance	700 ± 7 Ohms 2T & Above 350 ± 5 Ohms up to 1T
Cable Length	5 meters
Insulation Resistance (50 VDC)	> 1000 Mega Ohms
Safe Overload	150% of Rated Capacity
Ultimate Overload	200% of Rated Capacity
Temp. Compensated Range	0-60°C
Temperature Effect on Output	< 0.005% FSO/ °C
Temperature Effect on Zero	< 0.005% FSO/ °C
Deflection	< 0.4 mm at FSO
Environmental Protection Class	IP 65

Electrical Termination	Options
	<ul style="list-style-type: none"> <li>◆ Threaded loading Button, Threaded base plate</li> <li>◆ Dual Bridge Output</li> <li>◆ 4-20 mA / 0-2 Volt Output</li> <li>◆ Digital Version with RS-485 interface / USB output</li> <li>◆ Blue Tooth Telemetry</li> <li>◆ Wireless Telemetry</li> <li>◆ Compatible Instrument</li> <li>◆ Software for Graphic, Tabulation and Reporting</li> <li>◆ Customization with customers dimensions</li> </ul>



Capacity – Tf.	A	B	C	J	D	G	E DIA. X H PLCS.	M Thread	MOC*
0.05,0.1,0.2,0.3,0.5,0.75,1	50	42	24	1	15	33	4.2 x 4	12 x 1.25	SS 17-4 PH
1.5, 2, 3, 5	90	70	28	2	23	58	6.2 X 8	16 X 1.5	SS 17-4 PH
7.5, 10, 15	115	90	28	2	42	75	10.4 X 8	30 X 2	SS 17-4 PH
20, 30	155	125	38	2	61	103	12.7 X 8	39 X 2	SS 17-4 PH
50	210	180	45	5	87	153	12.7 X 16	42 X 2	Tool Steel*
75, 100	280	250	65	5	132	223	16.5 X 16	72 X 2	Tool Steel*
150, 200	305	270	80	10	142	243	21 X 16	90 X 3	Tool Steel*
300	395	350	100	20	187	308	21 X 32	120 X 4	Tool Steel*
400, 450, 500	450	390	120	30	245	330	25 X 32	150 X 4	Tool Steel*

Specifications are subject to change. All dimensions are in mm. \*MOC-Material of construction. \*Electro less Nickle Plated.

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