

**Description**

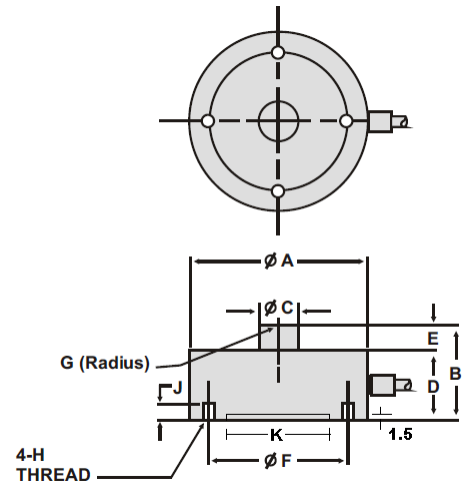
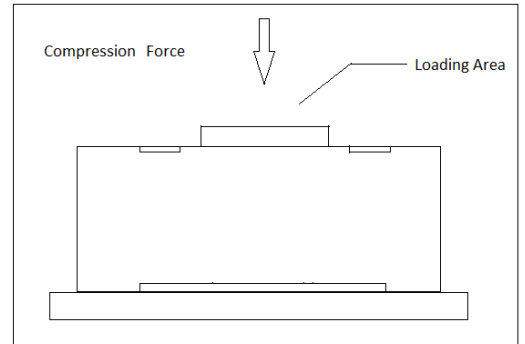
90610-B-Precision is pancake compression type load cell & it is strain gage based sensor with temperature compensation over 10 to 50°C. This is constructed from SS 17 - 4 PH / Tool Steel suitable for harsh industrial applications. It is sealed for IP 65 protection class & it has long life. It is available with integral Button for loading. It can be customized to customer's specific dimensions for replacements.

**This precision grade version is suitable for calibration of testing machine and as Reference Load Cell.**

<b>Features</b>	
❖ Available in capacity 0.5Tf. to 300 Tf.	
❖ Standard output 2.0 mV/V.	
❖ Complete environment protection IP 65 class.	
❖ Optional IP 68 available on request.	
❖ Dual bridge configuration available on request.	

<b>Applications</b>	
Compression Testing	Force & Impact Testing
Tablet Hardness Tester	Tank, Silo weighing
Calibration of other load cells & UTMs	Robotics & Automation

<b>Performance Specification</b>	
Standard Capacities	Tf 0.5, 0.75, 1, 1.5, 2, 3, 5, 7.5, 10, 15, 20, 30, 50, 75, 100, 150, 200, 300
Excitation Voltage	10 VDC- Maximum 15 VDC
Nominal Output	2.0 m V/ V
Non - Linearity	< ±0.1% FSO (Full Scale Output) 10% to 100% range
Hysteresis	< ±0.15% FSO
Non-Repeatability	< ±0.1% FSO
Creep (30 minutes)	< ±0.04% FSO
Zero Balance	±1.0% FSO
Input Resistance	390 ± 10 Ohms up to 1000 Kgf 770 ± 20 Ohms 1.5 T & Above
Output Resistance	350 ± 5 Ohms up to 1000 Kgf 700 ± 7 Ohms 1.5 T & Above
Insulation Resistance (50 VDC)	> 1000 Mega Ohms
Cable Length	5 Meters
Safe Overload of Rated Capacity	150%
Ultimate Overload of Rated Capacity	200%
Temp. Compensated Range	10-50°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



<b>Electrical Termination</b>	<b>Options</b>
	Threaded loading Button, Threaded base plate Dual Bridge Output 4-20 mA / 0-2 Volt Output Digital Version with RS-485 interface / USB output Blue Tooth Telemetry Wireless Telemetry Compatible Instrument Software for Graphic, Tabulation and Reporting Customization with customers dimensions

Capacity – Tf.	A	F	C	D + E	G-Radius	H	J	K	MOC*
0.5, 0.75, 1, 1.5, 2, 3	90	70	25	30 + 5	150	M6 X1.0	8	58	SS 17-4 PH
5, 7.5, 10	115	90	32	30 + 5	150	M8 1.25	10	75	SS 17-4 PH
15, 20	155	125	44	30 + 5	150	M12 X 1.5	12	103	SS 17-4 PH
30, 50	210	180	60	35 + 5	430	M12 X 1.5	15	153	Tool Steel*
75, 100	280	250	80	35 + 10	430	M16 X 1.5	20	223	Tool Steel*
150, 200	395	350	120	45 + 10	430	M20 X 1.5	20	308	Tool Steel*
300	450	390	150	55 + 10	430	M20 X 1.5	20	348	Tool Steel*

Specification are subject to change. All Dimensions are in mm. \*MOC-Material of Construction. \*Electro less Nickel Plated.

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