

Force Sensors

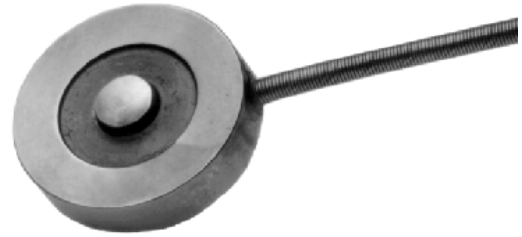
10245

BUTTON FORCE SENSOR

These load cells are strain gage based transducers designed for production and testing applications (ie: press calibration). Precision gaging techniques and stainless steel construction provide excellent long-term stability and reliability under severe operating conditions. This compression-only load cell has an integral load button machined as part of the load cell. It must be mounted on a smooth flat surface for proper operation. Three tapped holes are provided for mounting.

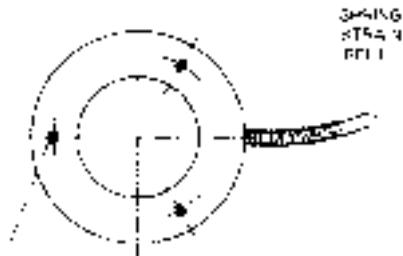
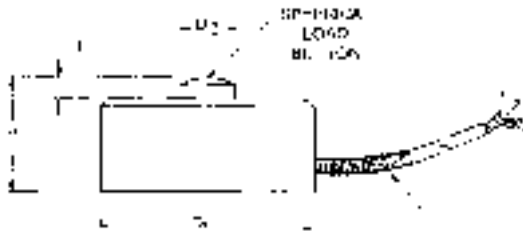
SPECIFICATIONS

Capacities..... 5 to 50,000 lb. (See chart)
 Overload capacity..... 150% of F.S.
 Output at F.S..... 2.0 mV/V nominal
 Non-linearity..... 0.25% of F.S.
 Hysteresis..... 0.05% of F.S.
 Zero balance..... +/-2% of F.S.
 Compensated temperature..... 60 to 160°F
 Useable temperature..... -65 to +250°F
 Temperature effect on zero..... 0.01% of F.S./°F
 Temperature effect on span..... 0.01% of Rdg./°F
 Bridge resistance..... 350 Ohms
 Excitation voltage, maximum..... 10 Vdc
 Material..... Stainless steel



DIMENSIONS

MODEL	CAPACITY	D1	D2	H	L	A	B	H
	LBS							
10245-050	5	1.0	.21	.62	.05	4-40 UNC	.22	.75
10245-011	10							
10245-250	25							
10245-051	50							
10245-012	100							
10245-251	250	1.25	.32	.39	.07	6-32 UNC	.25	1.0
10245-052	500							
10245-013	1000							
10245-023	2000							
10245-053	5000							
10245-014	10000	1.50	.43	.63	.08			1.25
10245-054	50000							3.0



SPRINGING HOLE IN THREAD AT D1
 FOLLOW IN SPACING AS SHOWN ON T. DRAWING
 FOR TORQUE

DWG



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