

10244

MINI-BUTTON FORCE SENSOR

This subminiature load cell (compression only) is designed to measure load ranges from 50 grams to 1000 lbs. With subminiature dimensions, including diameters from .38" to .75" and heights of .13" to .25", these units are easily incorporated into systems having limited space. A small (1.0" long x .08" thick) circuit board is included in the load cell's lead wire cable for temperature compensation.

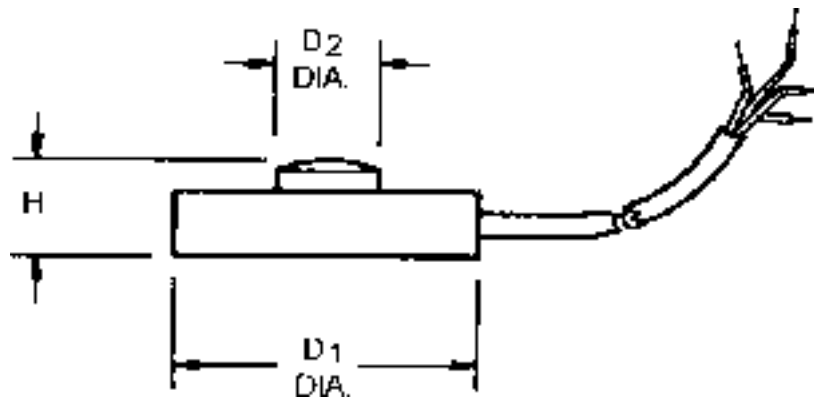


SPECIFICATIONS

Capacities..... 2.2lbs to 1,000 lbs (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..... 5 Vdc
 Material..... Stainless steel

DIMENSIONS

MODEL	CAPACITY	D1	D2	H
	LBS			
10244-020	2.2	.38	.09	.13
10244-050	5			
10244-011	10			
10244-250	25			
10244-051	50	.50	.12	.15
10244-012	100			
10244-251	250			
10244-052	500	.75	.25	.25
10244-013	1000			



DWG