

LPM 510 - SUBMINIATURE LOAD CELLS

Models LPM 510 (compression only) and LPM 512 (tension/compression) subminiature load cells are designed to measure load ranges from 50 grams to 1000 pounds with a high frequency response rate. The subminiature dimensions, including diameters from 0.38" to 0.75" and Heights of 0.13" to 0.25" allow these units to be easily incorporated into systems having limited space. A small (1.0" long x 0.08" thick) circuit board is included in each load cell's lead wire cable for temperature compensation.

- TENSION/COMPRESSION
- WAFER-THIN
- UP TO 1000 LB
- HIGH/LOW TEMP. OPTION
- 50 GMS TO 1000 LB

SPECIFICATIONS

LOAD RANGES:	50 g to 1000 lb
LINEARITY/HYSTERESIS:	50 g to 500 g - $\pm 0.5\%$ F.S. 1000 g to 1000 lb - $\pm 0.25\%$ F.S.
REPEATABILITY:	$\pm 0.1\%$ F.S.
MATERIAL:	Stainless Steel
TEMPERATURE RANGE:	60° to 160° F
OUTPUT:	50 g - 5mv/v 50 g to 500 g - 15mv/v 1000 g 1.5mv/v 510 to 1000 lb - 2mv/v
BRIDGE RESISTANCE:	50 g to 500 g - 500 ohm 1000 g to 1000 lb - 350 ohm
EXCITATION:	5 Vdc
SAFE OVERLOAD:	50% Over Capacity
CABLE:	5 ft

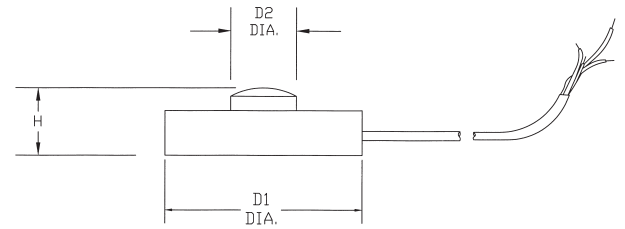
AVAILABLE RANGES D1" D2" H"

50; 150; 250; 500; 1000 g			
5; 10; 25; 50 lb	.38	.09	.13
100; 250 lb	.50	.12	.15
500; 1000 lb	.75	.25	.25

*Bold type indicates load cells stocked for quick delivery



COMPRESSION ONLY



LPM 512 - SUBMINIATURE LOAD CELL

SPECIFICATIONS

LOAD RANGES:	50 g to 1000 lb
LINEARITY:	$\pm 0.5\%$ F.S.
HYSTERESIS:	$\pm 0.5\%$ F.S.
REPEATABILITY:	$\pm 0.1\%$ F.S.
MATERIAL:	Stainless Steel
TEMPERATURE RANGE:	60° to 160° F
OUTPUT:	50 g to 500 g - 10mv/v 1000 g to 1000 lb - 2mv/v
BRIDGE RESISTANCE:	50 g to 500 g - 500 ohm 1000 g to 1000 lb - 350 ohm
EXCITATION:	5 Vdc
SAFE OVERLOAD:	50% Over Capacity
CABLE:	5 ft

AVAILABLE RANGES D" T H" L" Q""

50; 150; 250; 500; 1000 g	.50	#4-40 UNC	.29	.18	4
5; 10; 25; 50; 100 lb	.50	#4-40 UNC	.29	.18	4
250; 500; 1000 lb	.75	1/4-28 UNF	.38	.31	20

Q - Max torque allowed inch-lbs



TENSION/COMPRESSION

