

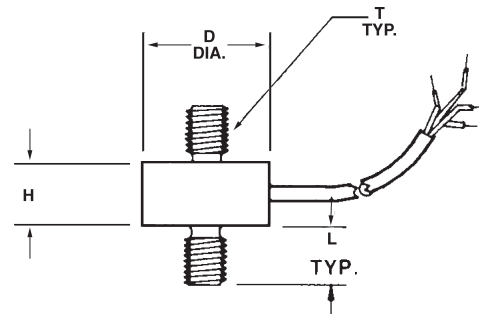
LPM 512 - SUBMINIATURE LOAD CELLS

Model LPM 512 (tension/compression) subminiature load cell is designed to measure load ranges from 150 grams to 1000 pounds with a high frequency response rate. The subminiature dimensions, including diameters from 0.5" to 0.75" and Heights of 0.13" to 0.38" 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
- 150 GMS TO 1000 LB

SPECIFICATIONS

| | |
|--------------------|--|
| LOAD RANGES: | 150 g to 1000 lb |
| LINEARITY: | ±0.5% F.S. |
| HYSTERESIS: | ±0.5% F.S. |
| REPEATABILITY: | ±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" |
|---------------------------------|-----|------------|-----|-----|----|
| 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 | | | | | |