

The type LPM530 miniature load cell is designed for both tension and compression force monitoring. Low profile & integral mounting threads make it ideal to use in small spaces.



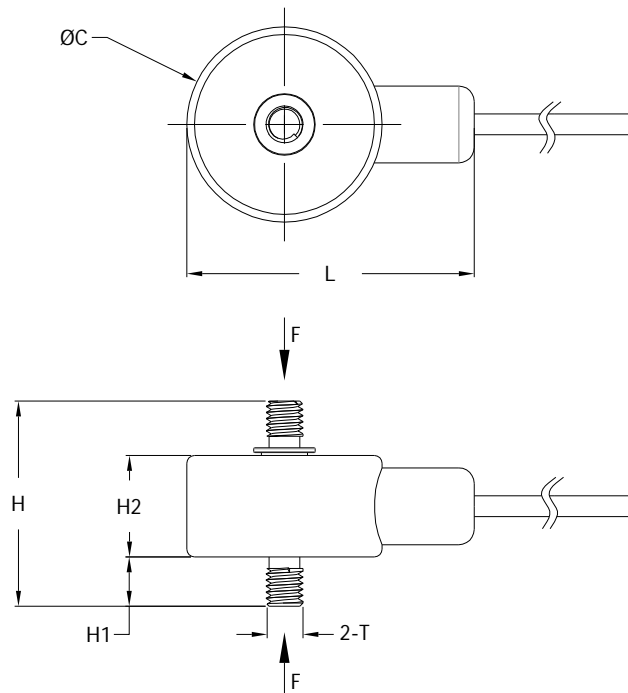
**FEATURES**

- Capacities from 10lb to 10klb.
- Stainless steel construction.
- Environmental protection IP66.
- Easy to install.

**APPLICATIONS**

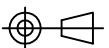
- Axial force measurement, Force test machines, suspended tank weighing, Medical devices.

**OUTLINE DIMENSIONS**



NOTE : SHOWN LOADING DIRECTION IS FOR POSITIVE OUTPUT.

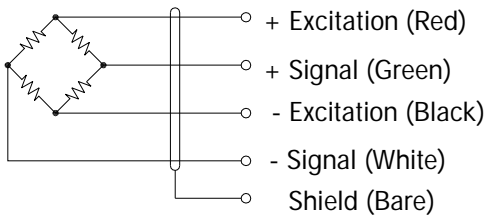
Rated capacity/lb(kg)	C	L	H	H1	H2	T
10(4.54)	0.75[19.1]	1.22[31.1]	1.01[25.7]	0.25[6.4]	0.45[11.4]	#6-32UNC-2A
25-100(11.34-45.36)	1.00[25.4]	1.47[37.4]	1.05[26.7]	0.25[6.4]	0.52[13.2]	#10-32UNF-2A
250-1000(113.40-453.60)	1.00[25.4]	1.77[44.9]	1.32[33.5]	0.38[9.7]	0.53[13.4]	1/4-28UNF-2A
2000-3000(907.18-1360.78)	1.00[25.4]	1.77[44.9]	1.75[44.5]	0.50[12.7]	0.72[18.3]	3/8-24UNF-2A
5000(2267.96)	1.25[31.8]	2.02[51.3]	2.23[56.6]	0.63[16.0]	0.94[23.9]	1/2-20UNF-2A
7500-10000(3401.94-4535.92)	1.38[34.9]	2.15[54.0]	2.88[73.2]	0.88[22.4]	1.09[27.7]	3/4-16UNF-2A



miniature load cell  
**LPM530**  
**5048**



**WIRING**



Cable : Ø2.7mm dia.4 conductor cable with shield.

**SPECIFICATIONS**

Model	5048		
Capacities	See table		
Full scale output (FS)	mV/V	2.0±20%	
Non-linearity	%FS	≤±0.2	
Hysteresis	%FS	≤±0.2	
Non-repeatability	%FS	≤±0.1	
Creep @ 30min	%FS	≤±0.2	
Zero balance	mV/V	±0.04	
Temperature range	°C	-10...+40	
Terminal resistance			
	Input resistance	Ω	375±25
	Output resistance	Ω	350±3
Excitation voltage	VDC	5(10 Max)	
Insulation resistance @ 50V DC	MΩ	≥2000	
Safe overload limit	%FS	150	
Ultimate load	%FS	300	
Cable length	m	2	
Seal type	IP66		
Element material	Stainless steel		

**PART NUMBERS**

Capacity(lb)	Part No.
10	5048-000-00
25	5048-001-00
50	5048-002-00
100	5048-003-00
250	5048-004-00
500	5048-005-00
1000	5048-006-00
2000	5048-007-00
3000	5048-008-00
5000	5048-009-00
7500	5048-010-00
10000	5048-011-00

Dimensions and specifications subject to change without notice



**Pioneering Measured Solutions**

**Group Four Transducers**  
 22 Deer Park Drive,  
 E. Longmeadow, MA 01028  
 www.groupfourtransducers.com

Phone : **(800) 419 1444**  
 Fax : (413) 525 -6182  
 sales@group-4.com