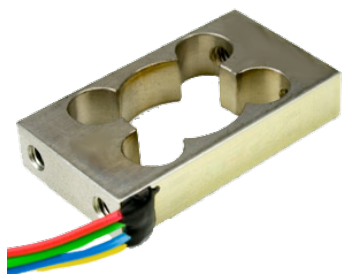


S251 & S252 Miniature Platform Load Cell



The S251 and S252 Miniature Platform Load Cells are low profile, single point OEM sensors offering high accuracy. Only 0.71" high, they are ideal for medical instruments, low profile scales and other low profile, high resolution applications. A 3,000 ohm thin film strain gauge bridge provides extremely low power consumption for battery and current loop applications. Capacities range from 200g to 10kg-force full scale (0.4 to 22lb-force).

Product Specifications:

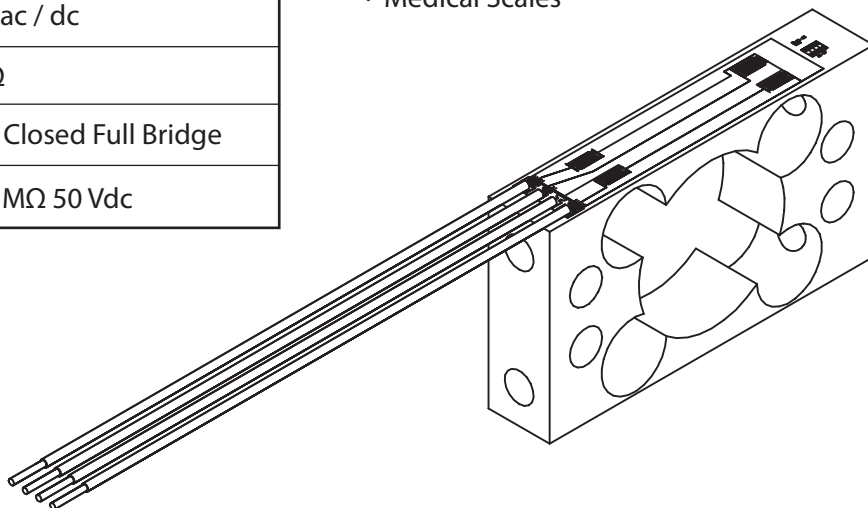
Hysteresis:	< 0.05% R.O.
Repeatability:	< 0.03% R.O.
Creep (30 mins):	< 0.05% R.O.
Nonlinearity:	1 kg & Below <0.05% R.O. 2 kg & Above <0.03% R.O.
Overload Limit:	150% Full Scale Capacity
Temp. Effect on Zero Balance:	0.03% R.O./°C
Temp. Effect on Span:	0.025% Reading/°C
Rated Output:	2 mV/V Nominal
Excitation (Recommended):	5-20 V ac / dc
Bridge Resistance:	3000 Ω
Bridge Configuration:	4-Wire Closed Full Bridge
Insulation Resistance:	>1000 M Ω 50 Vdc

Features:

- Low Profile
- Low Power Consumption
- Low Hysteresis
- Long Term Stability
- Economical

Applications:

- Medical Instruments
- Postal Scales
- Counting Scales
- Check Weighing
- Medical Scales





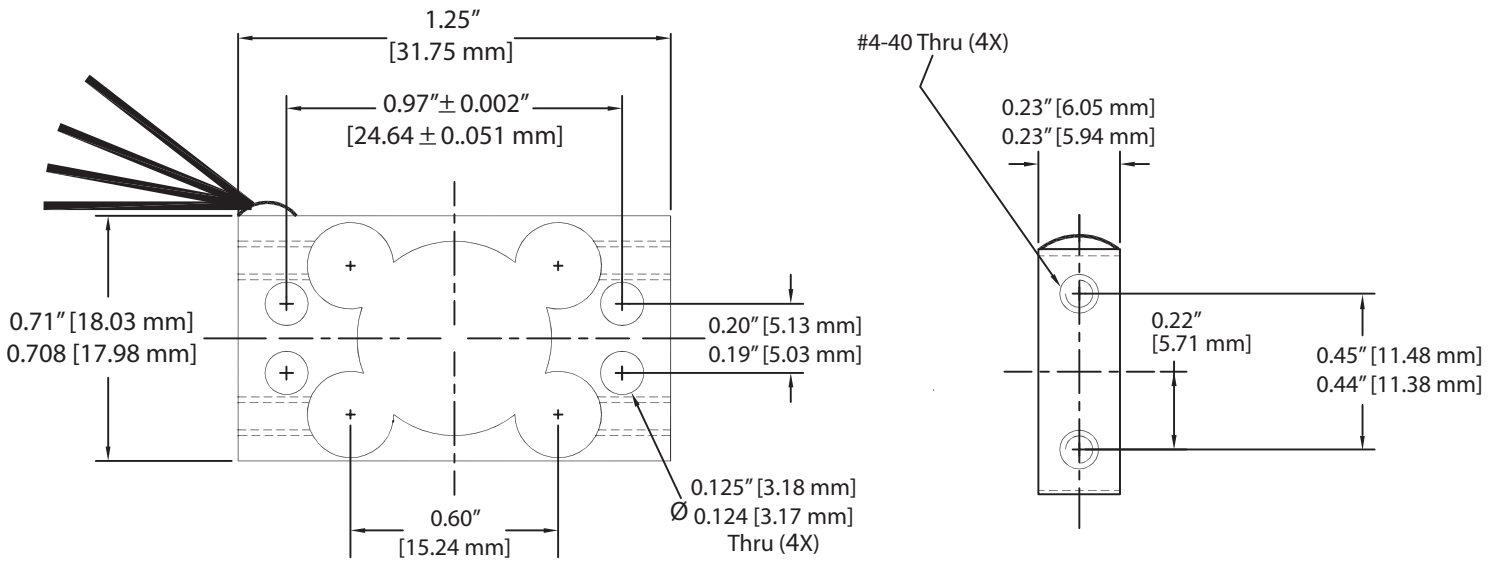
STRAIN MEASUREMENT DEVICES

4x 4-40 UNC-2B
or M3 x 0.5
(M4 x 0.7 - 50 kg Only)

S251



S252



Part Name		Rated Capacity	Deflection at Full Scale Load
S251-XX-002	S252-XX-002	0.40 lb [0.20 kg]	0.008
S251-XX-006	S252-XX-006	1.3 lb [0.60 kg]	0.009
S251-XX-010	S252-XX-010	2.2 lb [1.0 kg]	0.007
S251-XX-020	S252-XX-020	4.5 lb [2.0 kg]	0.007
S251-XX-030	-	6.6 lb [3.0 kg]	0.005
S251-XX-050	S252-XX-050	11 lb [5.0 kg]	0.006
S251-XX-100	S252-XX-100	22 lb [10.0 kg]	0.005

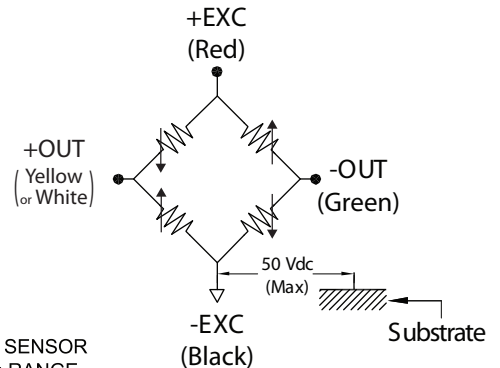
Wiring Options	
1	4 Wire 28 AWG PVC (11.5 IN LG)
2	Cable, Ø 0.13 OD, Shielded (35 IN LG)
3	Coiled Cable, BRIM 170/4-1
4	Teflon Wires / PTFE 32 AWG
5	Custom Cable / Wire Option

PART NUMBER EXAMPLE: STAINLESS STEEL S251 SENSOR WITH METRIC THREADS, SHIELDED CABLE, AND A 3 kg RANGE.

S251 -M2-030

BASE NUMBER | RANGE | WIRING OPTIONS

0 = UNC 4-40 THREAD
M = M3 THREAD



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