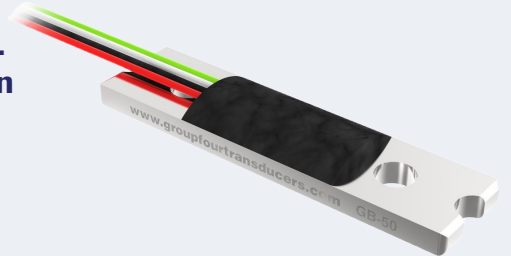


The GB50 is a rugged planar beam load cell with exceptional long-term stability. This sophisticated load cell offers consistent, high quality performance, at very affordable prices. With its simple beam mounting configuration, this load cell can be used to electronically measure force or displacement in a wide variety of applications. The GB50 may be used for applications which includes medical instrumentation, spring testing equipment, robotics food dispensing equipment.



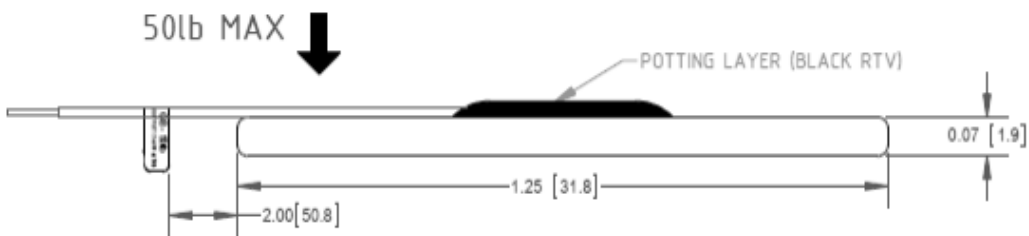
## FEATURES

- 50lb capacity
- Stainless steel construction
- Environmental protection IP67
- Very low profile design

## APPLICATIONS

- Compact scales
- Special applications in medical instrumentation
- Spring testing equipment
- Robotics
- Food dispensing
- Retail & counting scales

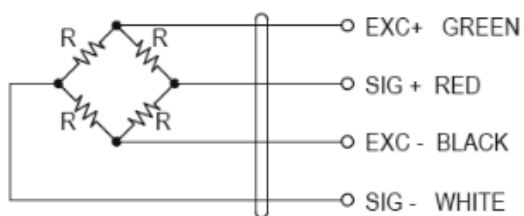
## OUTLINE DIMENSIONS



## SPECIFICATIONS

| Model                         | GB50 |                                 |
|-------------------------------|------|---------------------------------|
| Capacities                    | lbs  | 50                              |
| Full scale output (fs)        | mV/V | 1.50±0.15%                      |
| Combined error                | %FS  | <±1.6                           |
| Non-linearity                 | %FS  | <±0.8                           |
| Hysteresis                    | %FS  | <±0.8                           |
| Non-repeatability             | %FS  | <±0.1                           |
| Creep @5min                   | %FS  | <±0.5                           |
| Zero balance                  | mV/V | <±1.0                           |
| Temperature resistance input  | Ω    | 350±50                          |
| Temperature resistance output | Ω    | 350±50                          |
| Excitation voltage            | VDC  | 5~ 15                           |
| Insulation resistance @50VDC  | M Ω  | >5000                           |
| Safe overload limit           | %FS  | 150                             |
| Ultimate load                 | %FS  | 200                             |
| Cable length (L)              | in   | 8 <sup>+0.2</sup> <sub>-0</sub> |
| Cable type                    |      | 26 AWG 4 wires                  |
| Element material              |      | Stainless Steel                 |
| Seal type                     |      | IP67                            |

## WIRING



## PART NUMBER

| Capacity (lb) | Part Number |
|---------------|-------------|
| 50            | 8013-000-00 |