



### DIMENSIONS

| RATED CAPACITY                                | C1   | C2   | C3   | C4   | H1   | L     | L1    | L2   | L3   | W    | T          |
|-----------------------------------------------|------|------|------|------|------|-------|-------|------|------|------|------------|
| <b>Klb/inches</b>                             |      |      |      |      |      |       |       |      |      |      |            |
| 50; 75                                        | 0.75 | 2.00 | 1.96 | 2.50 | 0.38 | 8.25  | 7.25  | 0.50 | 0.93 | 1.80 | 1/2-14 NPT |
| <b>kg/mm</b> (conversion of above dimensions) |      |      |      |      |      |       |       |      |      |      |            |
| 22,679.9; 34,019.8                            | 19.0 | 50.8 | 44.7 | 63.5 | 9.7  | 209.6 | 184.2 | 12.7 | 23.6 | 45.7 | 1/2-14 NPT |

### SPECIFICATIONS

|                          |                       |                                      |                               |
|--------------------------|-----------------------|--------------------------------------|-------------------------------|
| <b>Full Scale Output</b> | 2.0 mV/V ± 0.25%      | <b>Recommended Excitation</b>        | 10V (15V Maximum)             |
| <b>Zero Balance</b>      | ± 0.02 mV/V           | <b>Insulation Resistance</b>         | >2 [ 50V DC ] GΩ              |
| <b>Non-linearity</b>     | < ± 0.030%            | <b>Compensated Temperature Range</b> | -10°C to 50°C / 14°F to 122°F |
| <b>Repeatability</b>     | < ± 0.017%            | <b>Safe Overload</b>                 | 150% of full scale            |
| <b>Hysteresis Error</b>  | < ± 0.023%            | <b>Breaking Overload</b>             | 300% of full scale            |
| <b>Creep in 30 min.</b>  | < ± 0.023%            | <b>Seal Type / IP Rating</b>         | Welded Seal / IP68            |
| <b>Input Resistance</b>  | 700Ω ± 10             | <b>Cable Color Code</b>              | Exc+ Red      Exc- Black      |
| <b>Output Resistance</b> | 700Ω ± 5              |                                      | Sig+ Green    Sig- White      |
| <b>Element Material</b>  | 2Cr13 Stainless Steel |                                      | Shield Bare                   |

### PART NUMBER\*

| Rated Capacity | Part No.            | Weight (kg) Approx. |
|----------------|---------------------|---------------------|
| 50Klb.....     | 102FS-50Klb-YZ..... | 5.4                 |
| 75Klb.....     | 102FS-75Klb-YZ..... | 5.8                 |

50Klb-75Klb: NTEP 1:10 000 Class IIIIL, Multiple Cell

11t-55t: OIML MAA C4.5, Y=18 000

\* ATEX, FM, IECEx approved versions carry the "-Ex" suffix.

### INTERCHANGEABLE REFERENCE

| Manufacturer     | Model      |
|------------------|------------|
| Cardinal.....    | DB5000S    |
| Cardinal.....    | DB7500S    |
| Coti Global..... | CG-DB5000S |
| Rice Lake.....   | RLDB5000S  |
| Rice Lake.....   | RLDB7500S  |