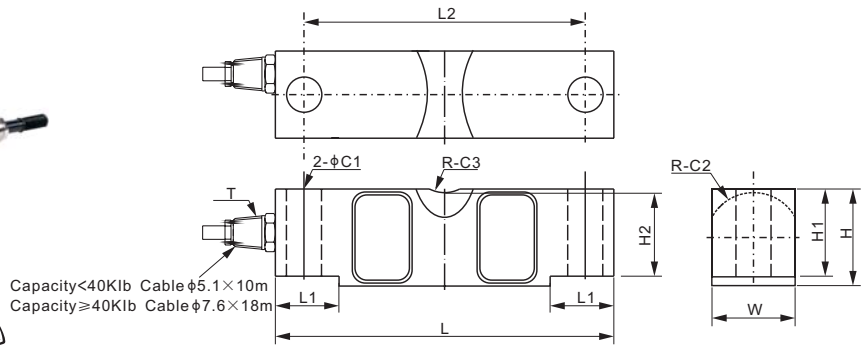


## Alloy Steel



## DIMENSIONS

| RATED CAPACITY    | C1   | C2   | C3   | H    | H1   | H2   | L     | L1   | L2    | W    | T          |
|-------------------|------|------|------|------|------|------|-------|------|-------|------|------------|
| <b>Klb/inches</b> |      |      |      |      |      |      |       |      |       |      |            |
| 10-25             | 0.68 | 0.90 | 0.75 | 1.94 | 1.70 | 1.63 | 7.75  | 1.38 | 6.50  | 1.69 | 1/4-18 NPT |
| 40                | 0.81 | 1.12 | 0.98 | 2.44 | 2.10 | 2.03 | 10.25 | 1.93 | 8.50  | 1.94 | 1/2-14 NPT |
| 50-75             | 1.06 | 1.38 | 0.98 | 2.94 | 2.65 | 2.53 | 10.25 | 1.93 | 8.50  | 2.44 | 1/2-14 NPT |
| SE100             | 1.06 | 1.38 | 0.98 | 3.44 | 2.65 | 2.53 | 10.25 | 1.93 | 8.50  | 2.44 | 1/2-14 NPT |
| 100-125           | 1.62 | 1.80 | 1.50 | 3.86 | 3.43 | 3.30 | 15.25 | 3.13 | 12.75 | 2.90 | 1/2-14 NPT |
| 200               | 1.62 | 2.37 | 2.00 | 5.80 | 5.12 | 4.44 | 19.25 | 4.00 | 15.25 | 3.80 | 1/2-14 NPT |
| 300               | 2.12 | 4.00 | 2.50 | 5.80 | 5.12 | 4.44 | 22.00 | 5.00 | 17.00 | 5.80 | 1/2-14 NPT |
| 400               | 2.12 | 5.00 | 3.00 | 5.80 | 5.12 | 4.44 | 22.00 | 5.00 | 17.00 | 5.80 | 1/2-14 NPT |
| <b>t/mm</b>       |      |      |      |      |      |      |       |      |       |      |            |
| 5-15              | 17.3 | 22.9 | 19.1 | 49.3 | 43.2 | 41.5 | 196.9 | 35.1 | 165.1 | 42.9 | 1/4-18 NPT |
| 20                | 20.5 | 28.4 | 25.0 | 62.0 | 53.4 | 51.6 | 260.4 | 49.0 | 216.0 | 49.3 | 1/4-18 NPT |
| 25-35             | 27.0 | 35.0 | 25.0 | 74.6 | 67.2 | 64.3 | 260.4 | 49.0 | 216.0 | 62.0 | 1/2-14 NPT |
| 50                | 41.2 | 45.7 | 38.1 | 98.0 | 87.1 | 83.8 | 387.4 | 79.5 | 323.9 | 73.7 | 1/2-14 NPT |

## SPECIFICATIONS

|                   |                            |                               |                                                                                       |
|-------------------|----------------------------|-------------------------------|---------------------------------------------------------------------------------------|
| Full Scale Output | 3.0 mV/V $\pm 0.25\%$      | Recommended Excitation        | 10V (15V Maximum)                                                                     |
| Zero Balance      | $\pm 0.02$ mV/V            | Insulation Resistance         | $> 2 [50\text{V DC}] \text{ G}\Omega$                                                 |
| Non-linearity     | $< \pm 0.023\%$            | Compensated Temperature Range | $-10^\circ\text{C}$ to $50^\circ\text{C}$ / $14^\circ\text{F}$ to $122^\circ\text{F}$ |
| Repeatability     | $< \pm 0.017\%$            | Safe Overload                 | 150% of full scale                                                                    |
| Hysteresis Error  | $< \pm 0.023\%$            | Breaking Overload             | 300% of full scale                                                                    |
| Creep in 30 min.  | $< \pm 0.023\%$            | Seal Type / IP Rating         | Environmentally Sealed / IP67                                                         |
| Input Resistance  | $700\Omega \pm 10$         | Cable Color Code              | Exc+ Red      Exc- Black                                                              |
| Output Resistance | $700\Omega \pm 5$          |                               | Sig+ Green    Sig- White                                                              |
| Element Material  | Alloy Steel, Nickel Plated |                               | Shield Bare                                                                           |

## PART NUMBER\*

| Rated Capacity | Part No.            | Weight Approx. (kg) |
|----------------|---------------------|---------------------|
| 10Klb.....     | 102BH-10Klb.....    | 2.9                 |
| 20Klb.....     | 102BH-20Klb.....    | 3.0                 |
| 25Klb.....     | 102BH-25Klb.....    | 3.0                 |
| 40Klb.....     | 102BH-40Klb.....    | 7.0                 |
| 50Klb.....     | 102BH-50Klb.....    | 9.0                 |
| 60Klb.....     | 102BH-60Klb.....    | 9.0                 |
| 75Klb.....     | 102BH-75Klb.....    | 9.0                 |
| SE100Klb.....  | 102BH-SE100Klb..... | 10.0                |
| 100Klb.....    | 102BH-100Klb.....   | 20.5                |
| 125Klb.....    | 102BH-125Klb.....   | 20.5                |
| 200Klb.....    | 102BH-200Klb.....   | 47.0                |
| 300Klb.....    | 102BH-300Klb.....   | 75.0                |
| 400Klb.....    | 102BH-400Klb.....   | 80.5                |

## Weld Seal (IP68) &amp; Lightning Protection Version:

|            |                     |     |
|------------|---------------------|-----|
| 60Klb..... | 102BH-60Klb-02..... | 9.0 |
| 75Klb..... | 102BH-75Klb-02..... | 9.0 |

SE refers to small envelope

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

## WEIGH MODULE

| Model        | Page |
|--------------|------|
| 102BHM1..... | 153  |

## PART NUMBER\*

| Rated Capacity | Part No.       | Weight Approx. (kg) |
|----------------|----------------|---------------------|
| 5t.....        | 102BH-5t.....  | 3.0                 |
| 10t.....       | 102BH-10t..... | 3.0                 |
| 15t.....       | 102BH-15t..... | 3.0                 |
| 20t.....       | 102BH-20t..... | 7.0                 |
| 25t.....       | 102BH-25t..... | 9.0                 |
| 30t.....       | 102BH-30t..... | 9.0                 |
| 35t.....       | 102BH-35t..... | 9.0                 |
| 50t.....       | 102BH-50t..... | 20.5                |

## INTERCHANGEABLE REFERENCE

| Brand                          | Model   |
|--------------------------------|---------|
| Artech.....                    | 70310   |
| Coti Global.....               | CG-58   |
| Rice Lake.....                 | RL75058 |
| Vishay Celtron.....            | CLB     |
| Vishay Revere Transducers..... | 5303    |
| Vishay Sensortronics.....      | 65058A* |
| Vishay Tedea-Huntleigh.....    | 4158    |

\* Sensortronics 65058A has SE50Klb and 50Klb.



25Klb-125Klb: NTEP 1:10 000 Class IIIL, Multiple Cell



11t-55t: OIML MAA C3, Y=7500

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