

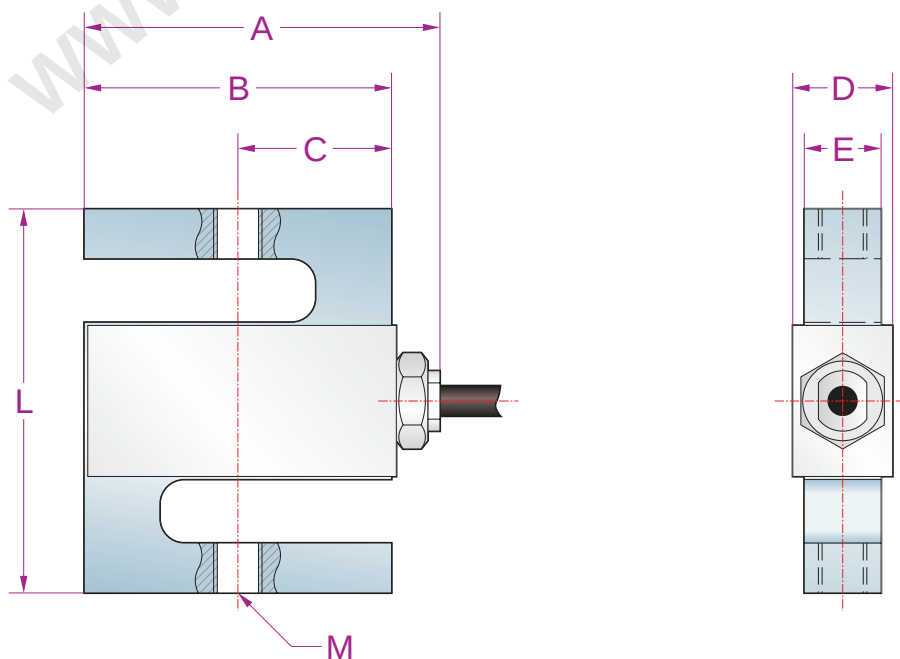


## Features

- S-Type Load Cell
- Alloy Steel
- Easy to Install, Stable & Reliable
- Suitable for Tension Measurement, Batching Scales and Batching Systems, etc.
- Rated up to IP67
- Equivalent to: Rice Lake RL20000 & Artech 20210

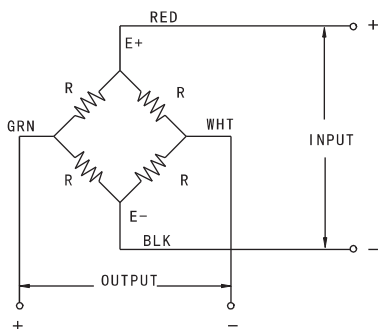
## Dimensions

| Capacity      |    | A    | B    | C    | D    | E    | L    | M           |
|---------------|----|------|------|------|------|------|------|-------------|
| 50 - 300 lb   | in | 2.32 | 2.00 | 1.00 | 0.65 | 0.50 | 2.50 | 1/4"-28 UNF |
|               | mm | 59.0 | 50.8 | 25.4 | 16.5 | 12.7 | 63.5 |             |
| 500 - 1000 lb | in | 3.27 | 2.00 | 1.00 | 1.10 | 0.75 | 2.50 | 1/2"-20 UNF |
|               | mm | 83.0 | 50.8 | 25.4 | 28.0 | 19.0 | 63.5 |             |



## Schematic

Red: + excitation  
Black: - excitation  
Green: + signal  
White: - signal



## Capacities / Model

|          |         |
|----------|---------|
| 50 lb    | BSA-50  |
| 100 lb   | BSA-100 |
| 200 lb   | BSA-200 |
| 500 lb   | BSA-500 |
| 1,000 lb | BSA-1k  |

## Specifications

|                        |                                               |
|------------------------|-----------------------------------------------|
| Rated Output           | 3.05mV/V $\pm$ 1.64%                          |
| Zero Balance           | $\pm$ 1% of rated output                      |
| Creep after 30 minutes | $\pm$ 0.03% of rated output                   |
| Nonlinearity           | $\pm$ 0.03% of rated output                   |
| Hysteresis             | $\pm$ 0.03% of rated output                   |
| Repeatability          | $\pm$ 0.03% of rated output                   |
| Temp. effect on output | $\leq$ 0.002% of applied output/ $^{\circ}$ C |
| Temp. effect on zero   | $\leq$ 0.002% of rated output/ $^{\circ}$ C   |
| Safe Temp. Range       | -10 $^{\circ}$ C to + 70 $^{\circ}$ C         |
| Temp. Compensated      | -10 $^{\circ}$ C to + 50 $^{\circ}$ C         |
| Safe Overload          | 150%                                          |
| Input Impedance        | 387ohm $\pm$ 5 ohm                            |
| Output Impedance       | 350 ohm $\pm$ 3 ohm                           |
| Insulation Resistance  | $\geq$ 5000 M ohm (50V DC)                    |
| Rated Excitation       | 10V DC/AC                                     |
| Maximum Excitation     | 15V DC/AC                                     |
| Cable Length           | 20 ft (6 m)                                   |
| Cable Color Code       | Red(+E) Black(-E) Green(+S) White(-S)         |