



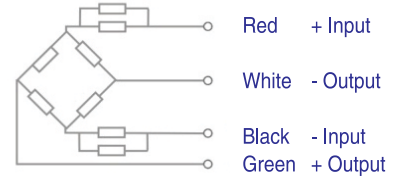
Automation

Model : ABL 112

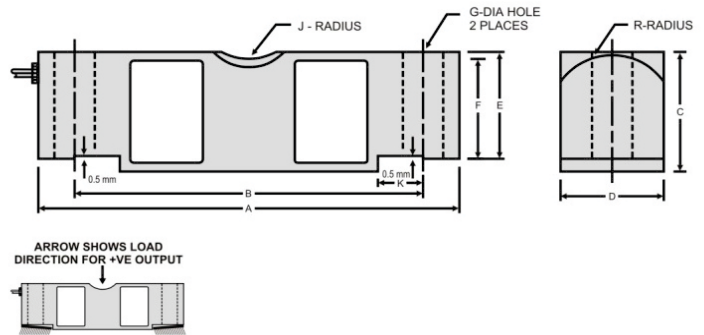
DOUBLE ENDED SHEAR BEAM LOAD CELL



Wiring Schematic Diagram :



Dimensions (mm) :



FEATURES :

- * 5Tf to 100 Tf Capacities
- * Triple-Sealing
- * Electroless Nickel Plated

APPLICATIONS :

- * Truck, Tank and Hopper Weighing
- * Tensile Testing
- * Weighbridge

| CAPACITY Tf | A | B | C | D | E | F | G | J | R | K | Cable mtrs |
|-------------|-----|-----|-----|-----|-----|----|----|----|----|-----|------------|
| 5 to 10 | 197 | 165 | 50 | 43 | 43 | 41 | 17 | 30 | 22 | 35 | 10 |
| 15 to 30 | 261 | 216 | 75 | 62 | 67 | 65 | 25 | 30 | 35 | 49 | 20 |
| 40 to 50 | 288 | 324 | 98 | 74 | 87 | 84 | 41 | 40 | 45 | 80 | 20 |
| 75 to 100 | 490 | 387 | 133 | 108 | 104 | 98 | 41 | 50 | 60 | 102 | 20 |

Parameters :

| Standard Capacities (Tf.) Excitation 5, 10, 15, 20 23, 30, 40, 50, 75, 100 | |
|--|--------------------------------------|
| Voltage | 5 VDC - Maximum 15 VDC |
| Nominal Output | 3.0 mV/V |
| Non-Linearity | < ± 0.025 % FSO (Full Scale Output) |
| Hysteresis | < ± 0.02 % FSO |
| Non-Repeatability | < ± 0.01 % FSO |
| Creep (30 minutes) | < ± 0.03 % FSO |
| Zero Balance | ± 1.0 % FSO |
| Input Resistance | 750 ± 20.0 Ohms |
| Output Resistance | 700 ± 7.0 Ohms |
| Insulation Resistance | ≥ 5000 Mega Ohms at 50 VDC |
| Safe Overload | 150 % of Rated Capacity |
| Ultimate Overload | 300 % of Rated Capacity |
| Allowable Side Load | 50 % of Rated Capacity |
| Side Load Discrimination : | 500:1 |
| Compensated temp. range | 0-60 °C |
| Compensated Range | |
| Temperature Effect on Output | < 0.0015 % FSO/ °C |
| Temperature Effect on Zero | < 0.0020 % FSO/ °C |
| Deflection | < 0.5 mm at FSO |
| Tightening Torque | 10 m. kg. |
| Construction | Electroless Nickel Plated Tool Steel |
| Environmental Protection Class | IP 68 |

