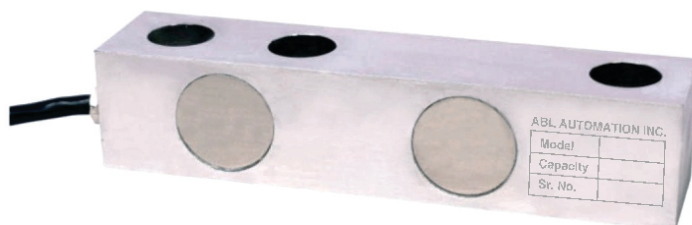




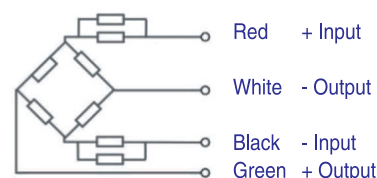
# Automation

**Model : AL 803**

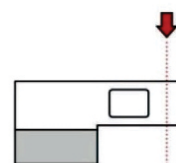
## SINGLE ENDED SHEAR BEAM LOAD CELL



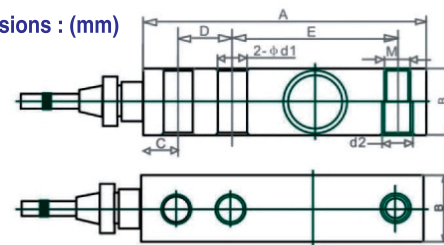
### Wiring Schematic Diagram :



### Load Diagram :



### Dimensions : (mm)



| Rated Load (t) | A     | B    | C    | D    | E    | M        | d2 | d1 |
|----------------|-------|------|------|------|------|----------|----|----|
| 0.1-2T         | 130   | 31.8 | 15.8 | 25.4 | 76.2 | M12*1.75 | 18 | 13 |
| 3T,5T          | 171.5 | 38.1 | 19.8 | 38.1 | 95.3 | M18*1.5  | 20 | 20 |
| 10T            | 222.5 | 50.8 | 25.3 | 50.8 | 124  | M24*2    | 27 | 27 |

### Features

- \* Alloy steel construction and hermetically sealed by welding to IP67 & IP68
- \* Full range of capacities,
- \* Simple construction
- \* Also available in stainless steel

### Applications

- \* Electronic platform scale
- \* Vehicle scale
- \* Railroad scales
- \* Tank weighing
- \* Hopper weighing etc...

### Parameters :

| Rated Load (kg.) 100, 200, 300, 500, 750, 1T, 2T, 3T,5T, 10T |              |                                 |               |
|--------------------------------------------------------------|--------------|---------------------------------|---------------|
| Precision                                                    | C2           | Insulation Resistance (MΩ)      | ≥5000 (50VDC) |
| Composition Error                                            | 0.03 / 0.02  | Excitation Voltage (VDC)        | 5~15          |
| Rated Output (mv/v)                                          | 3.0 ± 0.003  | Compensated temp. Range (°C)    | -10~+40       |
| Non-Linearity (%FS)                                          | 0.02 / 0.017 | Use Temp. Range( °C)            | -20~+55       |
| Hysteresis (%FS)                                             | 0.03 / 0.02  | Temp. Effect on Zero (%FS/10°C) | 0.019         |
| Repeatability (%FS)                                          | 0.02 / 0.01  | Temp. Effect on Span (%FS/10°C) | 0.011         |
| Creep (%F.S/30min)                                           | 0.03 / 0.02  | Safe Overload (%FS)             | 120           |
| Zero Balance (%FS)                                           | ± 1          | Ultimate Overload (%FS)         | 150           |
| Input Resistance (Ω)                                         | 350 ± 3      | Defend Grade                    | IP67/68       |
| Output Resistance (Ω)                                        | 350 ± 2      | Cable                           | 6mm, 4mtr     |

