



# ROCKER TYPE COMPRESSION LOAD CELL

## MODEL : GZC Series

### FEATURES :

- ❖ 10 to 100Tf. Capacities offered
- ❖ Complete environmental Protection - IP68 class
- ❖ Standard output 2.0m V/V available
- ❖ Laser welded
- ❖ Stain less steel construction

### APPLICATIONS :

- ❖ Weigh bridge
- ❖ Tensile testing
- ❖ Industrial automation

### DESCRIPTION :

- ❖ Strain gage based design
- ❖ Temperature compensated
- ❖ Provided with anti rotation mechanism
- ❖ Can be installed easily
- ❖ Self restoring design

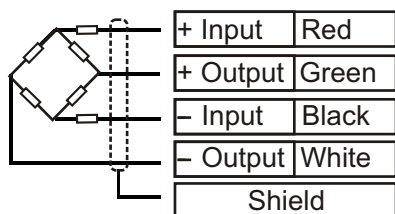
### PERFORMANCE SPECIFICATION :

|                                       |                                                      |
|---------------------------------------|------------------------------------------------------|
| <b>Standard Capacities (Tf.)</b>      | : 10, 20,30,40,50,60,75,100                          |
| <b>Excitation Voltage</b>             | : 15 VDC - Maximum 20 VDC                            |
| <b>Nominal Output</b>                 | : 2.0 mV/V                                           |
| <b>Non - Linearity</b>                | : < ± 0.025 % FSO (Full Scale Output)                |
| <b>Hysteresis</b>                     | : < ± 0.03 % FSO                                     |
| <b>Non-Repeatability</b>              | : < ± 0.02 % FSO                                     |
| <b>Creep (30 minutes)</b>             | : < ± 0.03 % FSO                                     |
| <b>Zero Balance</b>                   | : ± 1.0 % FSO                                        |
| <b>Input Resistance</b>               | : 770 ± 5.0 Ohms                                     |
| <b>Output Resistance</b>              | : 700 ± 3.0 Ohms                                     |
| <b>Insulation Resistance (50VDC)</b>  | : > 1000 Mega Ohms at 50 VCD                         |
| <b>Cable</b>                          | : 4 Core Screen Cable 20 Mtrs.                       |
| <b>Safe Overload</b>                  | : 150 %                                              |
| <b>Ultimate Overload</b>              | : 300 %                                              |
| <b>Temp. Compensated Range</b>        | : 0-60 °C                                            |
| <b>Temp. Effect on Output</b>         | : < 0.0015 % FSO/ °C                                 |
| <b>Temp. Effect on Zero</b>           | : < 0.0020 % FSO/ °C                                 |
| <b>Deflection</b>                     | : < 0.4 mm at rated load                             |
| <b>Finish &amp; Construction</b>      | : Stainless Steel - 17-4 PH<br>Outer Casing - SS 304 |
| <b>Environmental Protection Class</b> | : IP68                                               |
| <b>Transient Voltage Protection</b>   | : Provided                                           |

**GLOBAL**

**WEIGHTRACK INDIA PVT. LTD.**

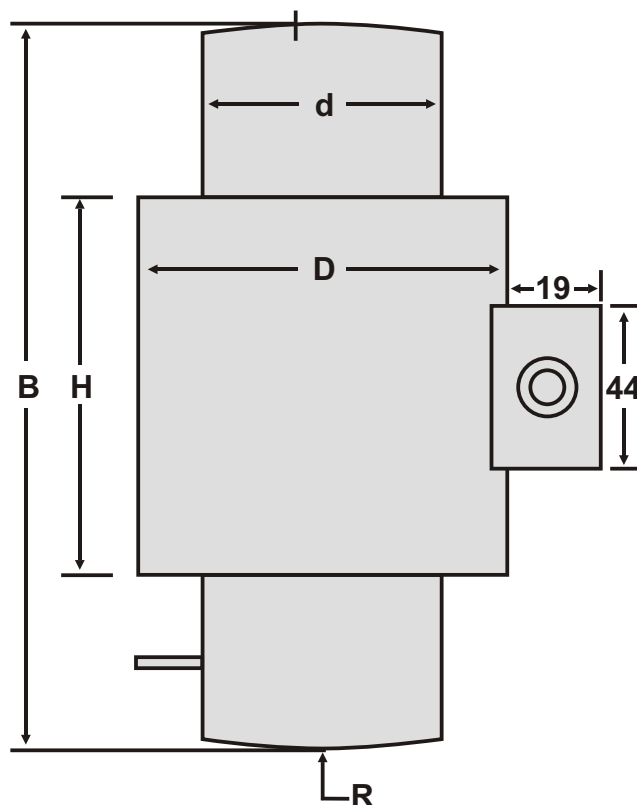
## ELECTRICAL TERMINATION



4 CORE SCREENED CABLE

| Capacity (Tf.) | B   | R   | d  | D  | H   |
|----------------|-----|-----|----|----|-----|
| 10,15,20,30,40 | 150 | 150 | 44 | 90 | 75  |
| 45,50,60       | 175 | 150 | 44 | 90 | 75  |
| 75,100         | 200 | 300 | 65 | 90 | 100 |

All dimensions are in mm.

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