



## COMPRESSION LOAD CELL

### MODEL : GADC Series

#### FEATURES :

- ❖ 10 to 100 Tf. 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 :

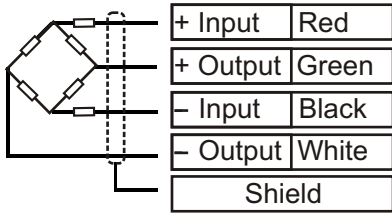
- ❖ Strain gage based design
- ❖ Temperature compensated
- ❖ Provided with anti rotation mechanism
- ❖ Can be installed easily
- ❖ Self restoring design

#### 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 Outer Casing - SS 304
<b>Environmental Protection Class</b>	: IP68
<b>Transient Voltage Protection</b>	: Provided

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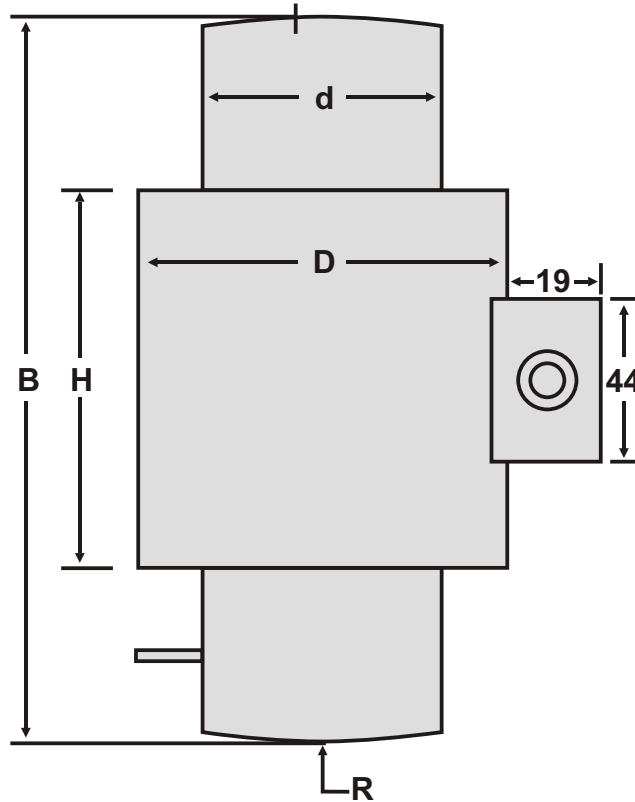
**ELECTRICAL TERMINATION**



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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