

The BDC is stainless steel compression load cell. Ideal for use in hopper weighing, tank weighing and force measurement.



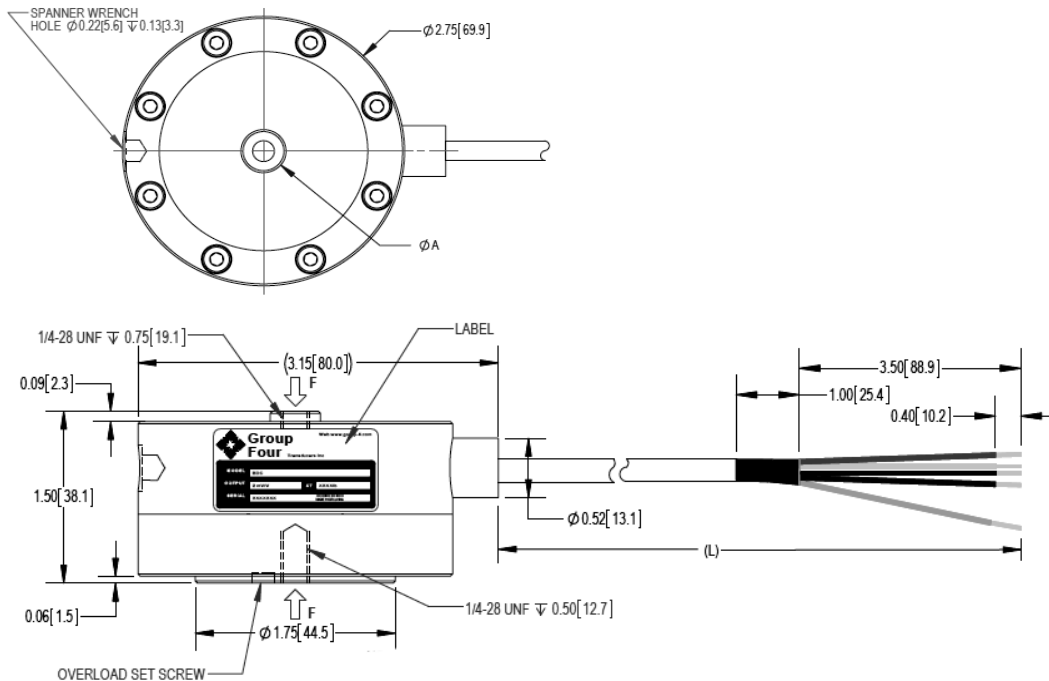
FEATURES

- Capacity 100, 250, 500, 1000, 2000 & 5000 lbs
- Environmental protection IP68
- MOC: stainless steel
- Overload stop for additional safety

APPLICATIONS

- Platform scales
- Material testing
- Hopper weighing
- Tank weighing
- Force measurement

OUTLINE DIMENSIONS



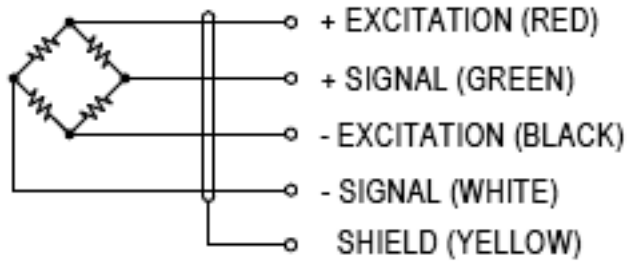
NOTES:

- 1) Shown loading direction is for positive output
- 2) Mechanical overload gap is engaged at 150% of relevant load

SPECIFICATIONS

Model	BDC	
Capacity	LB	100, 250, 500, 1000, 2000, 5000
Full Scale Output (FS)	mV/V	2.0 ±0.1%
Zero Balance	%FS	≤±5
Non-Linearity	%FS	≤±0.10
Hysteresis	%FS	≤±0.10
Creep @ 30min	%FS	≤±0.02
Non Repeatability	%FS	≤±0.05
Temperature Effect		
Output	%FS/10°C	≤±0.04
Zero	%FS/ 10°C	≤±0.04
Temperature Range		
Compensated	°C	-10 ~ +40
Operating	°C	-20 ~ +65
Terminal Resistance		
Input	Ω	735±30
Output	Ω	700±5
Excitation Voltage	VDC	5...15
Insulation Resistance @50VDC	M Ω	≥ 5000
Safe Overload Limit	%FS	500
Ultimate Load	%FS	600
Cable Length	ft	15 ^{+0.17} ₋₀
Cable Type	24 AWG 4 Conductor Black PVC Cable	
Seal Type	IP68	
Element Material	Stainless Steel	

WIRING GRAPHIC



PART NUMBER

Capacity (lb)	Part Number	Ø A in (mm)
100	5062-000-00	0.44 (11.2)
250	5062-001-00	0.44 (11.2)
500	5062-002-00	0.44 (11.2)
1000	5062-003-00	0.44 (11.2)
2000	5062-004-00	0.60 (15.2)
5000	5062-005-00	0.80 (20.3)