

ROUND BEAM LOAD CELL

TB2

Completely interchangeable with
Toledo 2095 / 2155 platforms



TOTALCOMP
Model TB2

**Single ended round beam load cell
ideal for low-capacity platform and bench scales**

- ✓ *100 lb to 2K lb capacities.*
- ✓ *Protective rubber shield.*
- ✓ *Low profile.*
- ✓ *Stainless Steel.*
- ✓ *Meets NIST H-44 requirements.*
- ✓ *Heavy duty construction.*

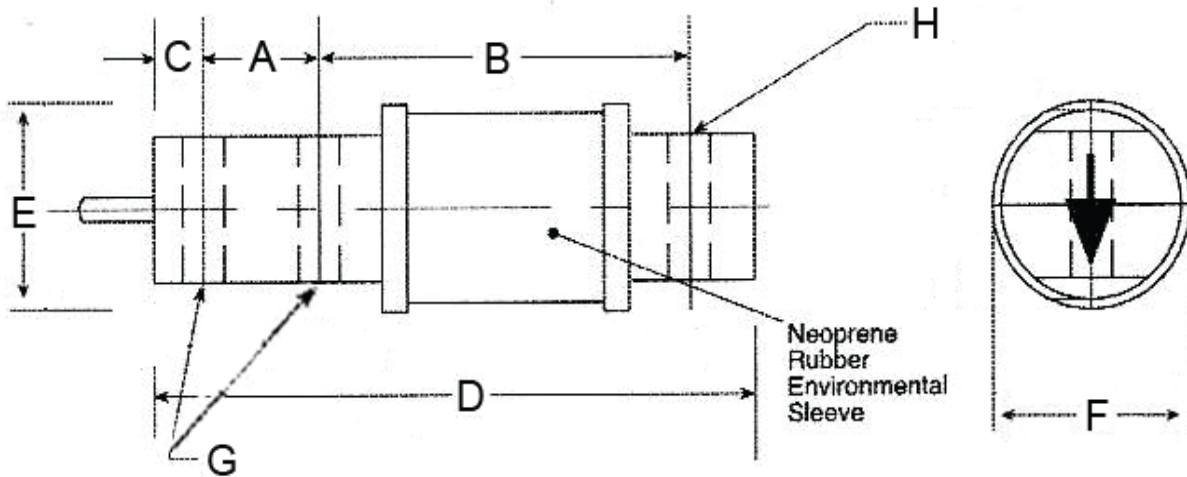


Totalcomp[®] Scales & Components

99 Reagent Lane • Fair Lawn, New Jersey 07410

Fax: 201-797-2287 • Toll Free Fax: 888-797-2288 • Phone: 201-797-2718 • Toll Free Phone: 800-631-0347

Email: sales@totalcomp.com • Website: www.totalcomp.com



Model TB2

TB2 ROUND BEAM LOAD CELL

This load cell features exclusive heavy duty, stainless steel construction. The TB2 is thoroughly potted and has a special protective neoprene shield over the strain gage area. Interchangeable with Toledo bean load cells for 2095 / 2155 platforms.

Part Number	Capacity	Weight	A	B	C	D	E	F	G	H
TB2-100-SS	100 lb	4 lb	2.00	2.45	0.50	5.37	1.00	1.00	0.53	1/2-20
TB2-200-SS	200 lb	4 lb	2.00	2.45	0.50	5.37	1.00	1.00	0.53	1/2-20
TB2-250-SS	250 lb	4 lb	2.00	2.45	0.50	5.37	1.00	1.00	0.53	1/2-20
TB2-300-SS	300 lb	4 lb	2.00	2.45	0.50	5.37	1.00	1.00	0.53	1/2-20
TB2-500-SS	500 lb	4 lb	1.00	4.00	0.50	6.13	1.75	1.75	0.53	1/2-20
TB2-1K-SS	1,000 lb	4 lb	1.00	4.00	0.50	6.13	1.75	1.75	0.53	1/2-20
TB2-2K-SS	2,000 lb	4 lb	1.00	4.00	0.50	6.13	1.75	1.75	0.53	1/2-20

Performance

Full Scale Output
2 mV/V $\pm 0.1\%$

Combined Error
 $\pm 0.03\%$ FS

Nonlinearity
 $\pm 0.05\%$

Hysteresis
 $\pm 0.02\%$

Creep
 $\pm 0.02\%$ FS in 1 hour

Repeatability
0.02%

Zero Balance
 $\pm 1.0\%$

Overload Safe
150% of rated capacity

Overload Ultimate
300% FS

Electrical
Bridge Resistance
Input 440 ohms
Output 450 ohms

Excitation Voltage
10 volts AC/DC
(20 volts AC/DC Max)

Temperature

Compensated Range
 -10°C to $+40^{\circ}\text{C}$

Temperature Operating Range
 0°F to $+150^{\circ}\text{F}$

Effect on Zero Balance
0.0008% FS/deg F

Effect on FS Output
0.0008% FS/deg F

Mechanical

Material
Neoprene Rubber
Stainless Steel

Finish
Polished SS

Sealing
IP67

Wiring

Cable Length & Type
5 foot, 4 conductor

Cable Color Code
+ Excitation.....Green
- Excitation.....Black
+ Output.....White
- Output.....Red
Shield.....Bare

TOTALCOMP LIMITED WARRANTY

Totalcomp warrants this product to be free of defects in materials and/or workmanship and suitable for the purpose(s) intended as outlined on this sheet. This warranty is effective and shall cover the purchaser for one year from the date of shipment from our plant. If this product is found to be defective by our inspection in accordance with the above listed criteria, we will replace or repair it at our expense. For warranty service, please obtain a return authorization number from us and return the item, shipping prepaid, with a written description of the problem. We will respond promptly with the results of our evaluation.



Totalcomp[®]

Scales & Components

99 Reagent Lane

Fair Lawn, NJ 07410

Fax (201) 797-2287

Toll Free Fax (888) 797-2288

Phone (201) 797-2718

Toll Free Phone (800) 631-0347

Email sales@totalcomp.com

Website www.totalcomp.com