Cardinal LOAD CELLS

SERIES TB - BEAM TYPE - FOR MEDIUM TO HEAVY WEIGHING



- Capacities of 450 kg, 1100 kg, and 1800 kg
- Waterproof construction
- Stainless steel for corrosion resistance
- Direct mounting to weighing platform
- 3 m integral shielded cable

Cardinal's TB series, medium capacity beam load cells, are manufactured for medium to heavy weighing operations such as bench or floor scales. Stainless steel construction offers strength, and the ultimate in protection when caustic or corrosive environments are encountered. Heavy capacity single point cells are available in 450 kg to 1800 kg capacities. The unique design of these beam load cells offers cost-saving advantages for many weighing applications.

These cells are potted with a proprietary sealant that offers superior waterproofing, while remaining flexible over the life of the load cell. This special compound protects the load cell strain gages, and over a broad temperature range has no effect on load cell precision accuracy.

All load cells have threaded mounting holes, and a 3 m integral multiconductor cable secured by a strain relief seal.

SPECIFICATIONS

Safe Load Limit Ultimate Load Deflection at R.C Spring Element Material Net Weight	300% R.C. 0.33 to 0.64 mm 17-4 PH	
Certificate Data		
Issuing Body	OIML	
Certificate Number	R60/1991-DK-97.03	
Accuracy Class	C3	
Maximum Number of Load		
Cell Intervals, (n _{max})	3000	
Single/Multiple		
Humidity Symbol		
Minimum Load Cell		
Verification Interval (V _{min})	0.08, 0.19, 0,32 kg	

Mechanical Data

Rated Capacity, (R.C.) $E_{\rm max}$.450, 1100, & 1800 kg

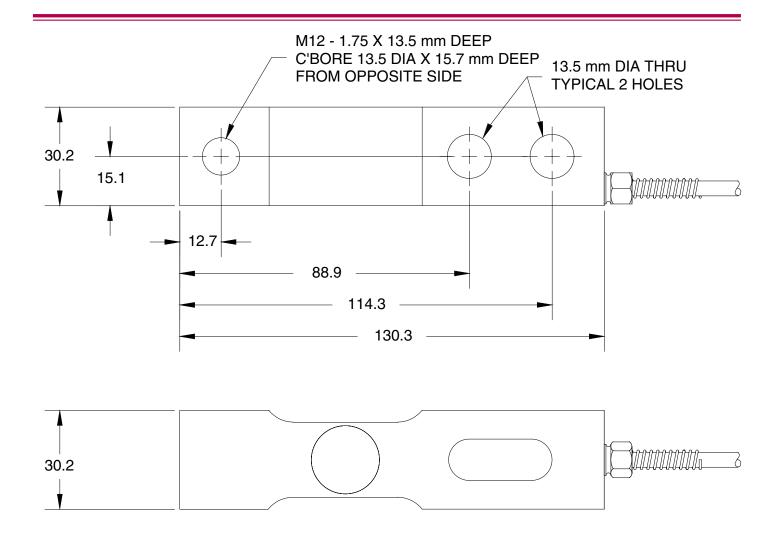
Minimum Dead Load0 kg

2mV/V
10 VDC
15 VDC
3m
400 ± 7 ohms
350 ± 5 ohms
± 1% R.C.
E000
>5000 megohms at
>5000 megohms at 50 VDC
50 VDC
•
tal Data
50 VDC tal Data -10½ to +40½C
tal Data
50 VDC tal Data -10½ to +40½C -29½ to +93½C
50 VDC tal Data -10½ to +40½C
50 VDC tal Data -10½ to +40½C -29½ to +93½C

Electrical Data

Coloi Code		
+ Excitation Red	ı - Signal	White
- Excitation Black	+ Signal	Greei

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All dimensions are in mm unless otherwise noted.





This load cell meets the requirements of OIML R60 and has been issued an OIML certificate no. R60/1991-DK-97.03.



Cardinal Scale reserves the right to improve, enhance and modify features and specifications without prior notice.

