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
- 2 year warranty

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

Minimum Dead Load
Certificate Data
Issuing BodyOIML
Certificate NumberR60/1991-DK-97.03
Accuracy ClassC3
Maximum Number of Load
Cell Intervals, (n _{max})3000
Single/MultipleS
Humidity SymbolCH
Minimum Load Cell

Verification Interval (V_{min})...0.08, 0.19, 0,32 kg

Mechanical Data

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

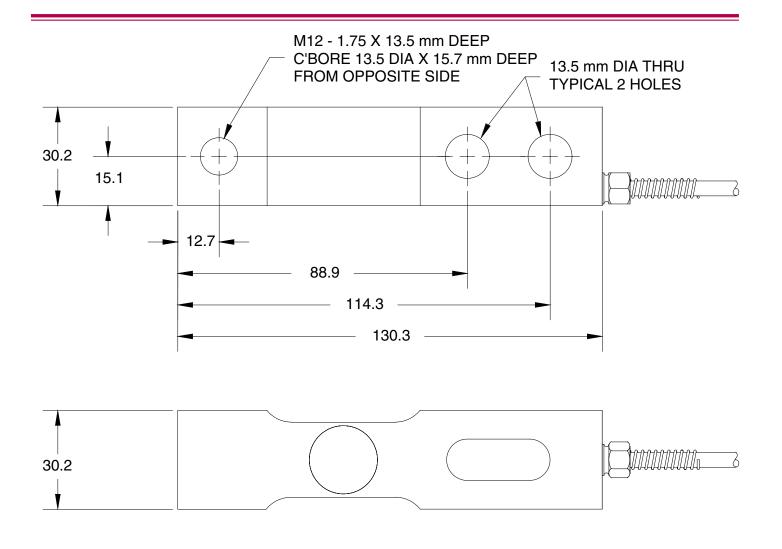
Rated Output	. 2mV/V
Excitation Voltage,	
Recommended	. 10 VDC
Excitation Voltage,	
Maximum	
Cable Length	. 3m
Terminal Resistance	
Excitation	. 400 ± 7 ohms
Signal	
Zero Load Output	
Insulation Resistance	>5000 megohms at
	i z oooo iiiogoiiiiio at
	50 VDC
	_
Environme	50 VDC
	50 VDC
Environme	ntal Data
Environme: Temperature Compensation	50 VDC ntal Data 10½ to +40½C
Environmer Temperature Compensation Range	50 VDC ntal Data 10½ to +40½C
Environmer Temperature Compensation Range Operating Temperature Range.	50 VDC ntal Data 10½ to +40½C29½ to +93½C
Environmer Temperature Compensation Range Operating Temperature Range . Construction & Protection	50 VDC ntal Data 10½ to +40½C29½ to +93½C

Electrical Data

Color Code

		ı - Signal	
- Excitation	Black	+ Signal	Green

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All dimensions are in mm unless otherwise noted.

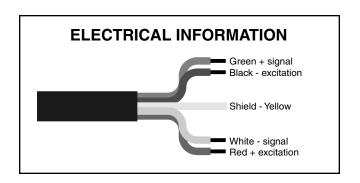




This load cell meets the requirements of OIML R60 and has been issued an OIML certificate no. R60/1991-DK-97.03.



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





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