# Cardinal LOAD CELLS

### SERIES SB - BEAM TYPE - FOR MEDIUM TO HEAVY WEIGHING



- Capacities from 1130 kg to 9000 kg
- Highly resistant to eccentric loading
- Waterproof construction
- Stainless steel models for corrosion resistance
- Low profile design
- 6 m integral shielded cable

Beam cells with capacities from 1130 kg to 9000 kg promote a variety of applications, such as low profile platform scales, tank and/or hopper weighing, and other process control systems. The design of these cells makes them highly resistant to eccentric loads. Construction of high grade stainless steel in these cells offers strength, and the ultimate in protection when caustic or corrosive environments are encountered. Provided with the cell are mounting holes for securing cell, and a 6 m integral multiconductor shielded cable secured by a compression strain relief seal.

These cells are welded closed, providing superior waterproofing, while remaining flexible over the life of the load cell. This protects the load cell strain gages, and over a broad temperature range, has no effect on load cell precision accuracy.

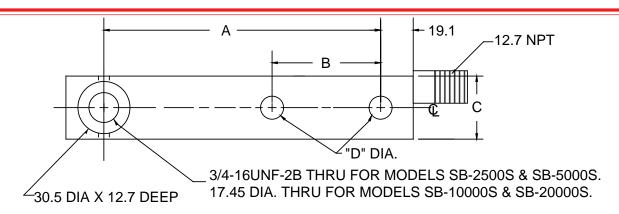
#### **SPECIFICATIONS**

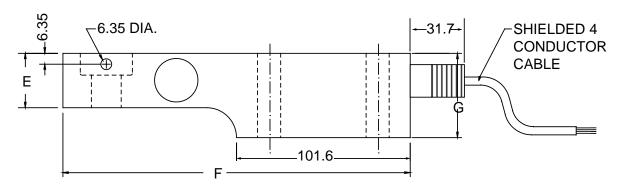
Mechanical Data	Electrical Data			
Rated Capacity, (R.C.)E <sub>max</sub> . 1130, 2260, 4500 & 9000 Minimum Dead Load 0 kg	kg Rated Output			
Safe Load Limit	Recommended			
Environmental Data  Temperature Compensation Range10° to 40°C Operating Temperature Range29° to 93°C				
Construction & Protection	Color Code			
Code	+ Excitation			
Cer	tificate Data			
Issuing BodyNTEP				
Certificate Number 87-05	9A1R60/1991-DK-97.02			

Minimum Load Cell Verification Interval V<sub>min</sub> ....... III - 0.16, 0.32, 0.64 & 1.27 kg ...... 0.086, 0.17, 0.35 & 0.70 kg IIIL - 0.1, 0.2, 0.4 & 0.8 kg

Humidity Symbol ......CH

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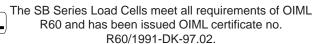


#### **DIMENSIONAL INFORMATION**

MODEL	CAPACITY	"A"	"B"	"C"	"D"	"E"	"F"	"G"
SB-2500S	1130 kg	161.9	63.5	36.8	13.51 dia thru	31.7	203.2	49.2
SB-5000S	2260 kg	161.9	63.5	36.8	13.51 dia thru	36.8	203.2	49.2
SB-10000S	4500 kg	184.2	50.8	49.3	19.86 dia thru	41.1	228.6	62.5
SB-20000S	9000 kg	184.2	50.8	49.3	19.86 dia thru	50.8	228.6	62.5

All dimensions are in mm unless otherwise noted.



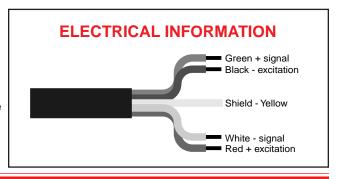




The SB Series Load Cells meet all requirements of Handbook 44, issued by the National Institute of Standards and Technology and have been issued the NTEP Certificate of Conformance No. 87-059 A1.



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





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