

Cardinal LOAD CELLS

SERIES CB6 - SEALED BENDING BEAM MODELS



- Capacities from 10 to 200 kg
- Excellent price-to-performance ratio
- Proven bending beam design
- Stainless steel construction
- NTEP and OIML CC
- Environmentally protected to IP 67
- 2 year limited warranty

The CB6 is a high performance, sealed bending beam load cell for use in low profile platforms, flexure bases, hanging scales, scale conversions, hopper and packaging scales, and a variety of other medical, industrial, and process weighing applications.

The CB6 is easy to install and use and is interchangeable with most other load cells of its type. Stainless steel construction and welded bellows seals are critical components making the CB6 ideally suited for use in harsh and corrosive environments and where routine “washdowns” occur.

SPECIFICATIONS

Mechanical Data

Rated Capacity, (R.C.) E_{max} . 10, 20, 50, 100 & 200 kg
 Minimum Dead Load 0 kg
 Safe Load Limit 150% R.C.
 Ultimate Load 300% R.C.
 Deflection at R.C. 0.2 to 0.64 mm
 Spring Element Material 17-4 PH
 Net Weight 0.4 kg

Certificate Data

Issuing Body NTEP OIML
 Certificate Number 96-091 R60/1991-DK-96.04
 Accuracy Class III C3
 Maximum Number of Load
 Cell Intervals, n_{max} 4000 3000
 Single/Multiple S
 Humidity Symbol CH
 Minimum Load Cell
 Verification Interval V_{min} 001, .002, .005, .01, & .02 kg

Electrical Data

Rated Output $2 \pm 10\%$ mV/V
 Excitation Voltage,
 Recommended 10 VDC
 Excitation Voltage,
 Maximum 15 VDC
 Cable Length 3m
 Terminal Resistance
 Excitation 400 ohms \pm 7 ohms
 Signal 350 \pm 5 ohms
 Zero Load Output $\pm 1\%$ R.C.
 Insulation Resistance >5000 megohms at
 50 VDC

Environmental Data

Temperature Compensation
 Range -10° to +40°C
 Operating Temperature Range .. -29° to +93°C
 Construction & Protection
 Code CP-67 HU, IP67
 Barometric Pressure Effect
 on Zero Load Output <1 v (min)/1kPa

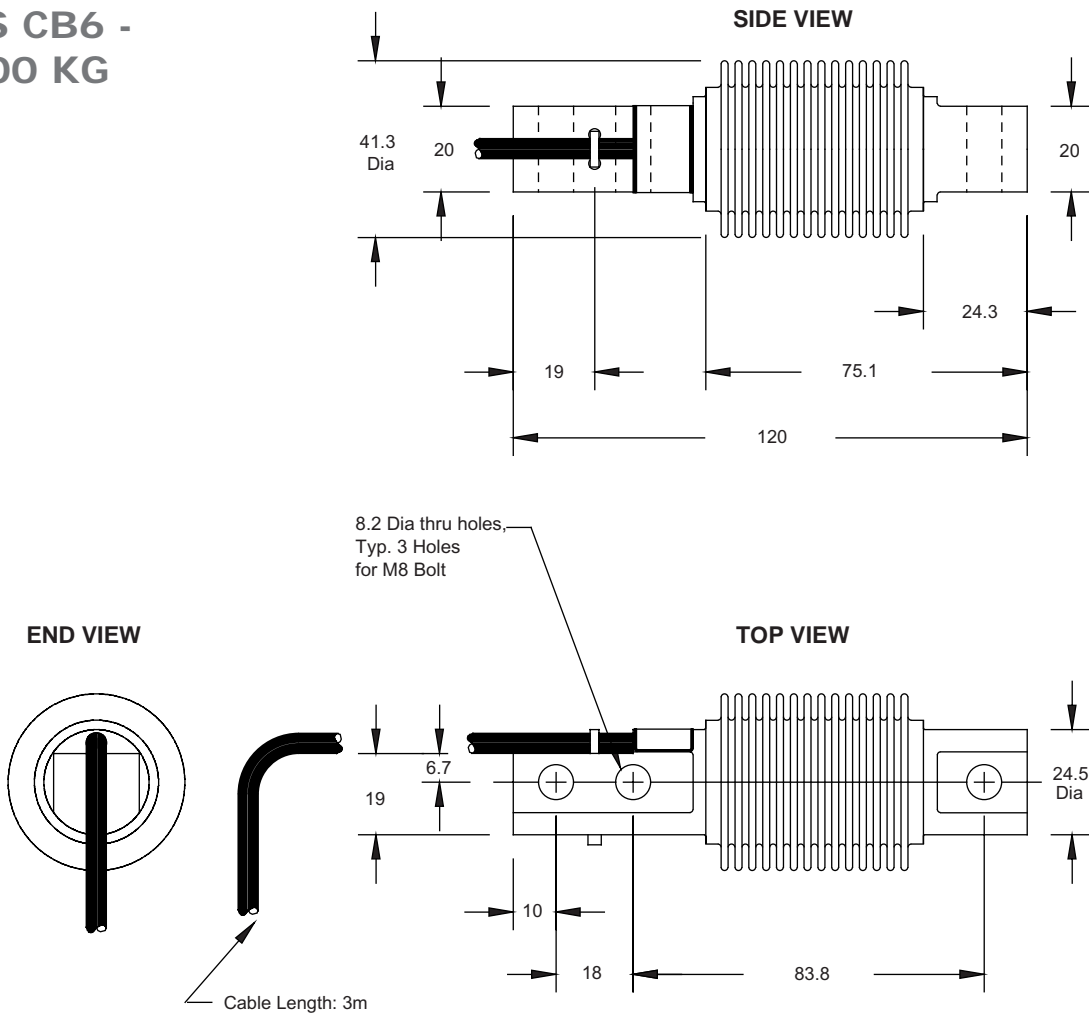
Color Code

+ Excitation Green | - Signal White
 - Excitation Black | + Signal Red

Standard CB6-20 kg to CB6-200 kg meets all the requirements for NTEP; S, III, 4000. CB6-20 kg to CB6-200 kg is optionally available to meet requirements for NTEP; S, III 4000. Standard CB6-10 to CB6-200 meets the requirements for OIML; C3. CB6-10 to CB6-200 are optionally available to meet the requirements for OIML; C4. NTEPCC does not apply to CB6-10. Contact factory for details.

Cardinal SEALED BENDING BEAM LOAD CELLS

MODELS CB6 -
10 to 200 KG



IMPORTANT NOTICE

Dimensions are in mm unless noted otherwise. Request certified drawings before designing fixtures.



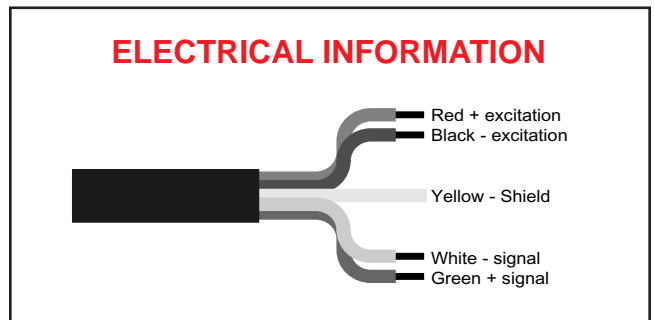
The SCA Series Load Cells meet all requirements of OIML R60 and has been issued OIML certificate no. R60/1991-DK-96.04.



The SCA 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. 96-091.



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



Cardinal
Cardinal Scale Manufacturing Co.
© Copyright 2001 • Cardinal Scale Manufacturing Co. • Printed in USA • 1110/263-8

203 East Daugherty
P.O. Box 151
Webb City, Mo 64870

Phone: 417•673•4631
Fax: 417•673•5001
www.cardinalscales.com

Bulletin No. 263-8