

CLDB Series

CenterPoint Stainless Steel Double-Ended Shear Beam Load Cells



CenterPoint
SELF-CHECKING SHEAR BEAM STANDS

Cardinal Scale's CenterPoint stainless steel load cells are heavy-capacity double-ended shear beam cells with center load design. They are a direct replacement for competitive load cells, and can be used in a variety of applications, including heavy-duty tank weighing systems. Capacities range from 2,500 to 50,000 lbs. Each load cell is furnished with a 30 ft / 9 m integral multi-conductor cable secured by strain relief.

- **Stainless steel construction**
- **2,500 lb to 50,000 lb capacities**
- **30 ft / 9 m cable with strain relief**
- **Environmentally-sealed (IP67)**
- **Direct replacement for competitive load cells**
- **Also available in floor stand kits for tank/hopper weighing**

MECHANICAL DATA

Rated Capacity, (R.C.) E _{max}	2,500 lb / 1,135 kg 5,000 lb / 2,270 kg 10,000 lb / 4,535 kg 20,000 lb / 9,075 kg 30,000 lb / 13,610 kg 50,000 lb / 22,680 kg
Minimum Dead Load	1/2% R.C.
Safe Load Limit	150% R.C.

ELECTRICAL DATA

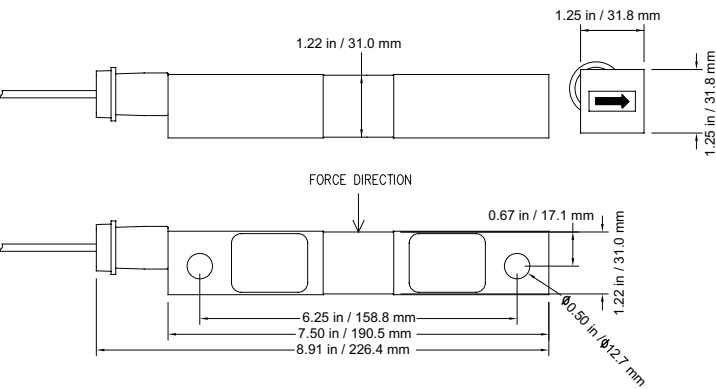
Rated Output	3 ± 0.1% mV/V
Excitation Voltage, Maximum	15 VDC
Cable Length	30 ft / 9 m
Terminal Resistance	
Excitation	804 ± 40 ohms
Signal	701 ± 10 ohms
Zero Load Output	± 1% R.C.
Insulation Resistance	>5000 megohms at 50 VDC

ENVIRONMENTAL DATA

Temperature Compensation Range	-10° to +40°C
Operating Temperature Range	-20° to +50°C
Construction & Protection Code	IP67

CLDB

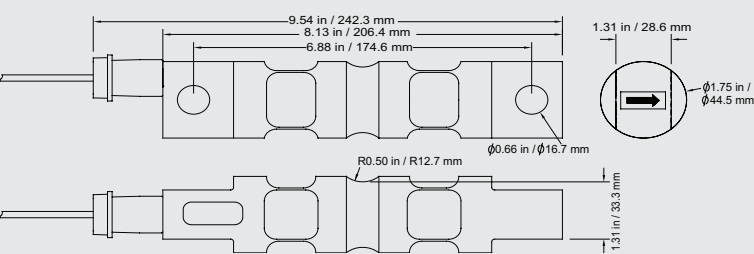
CLDB2.5K - 2,500 lb / CLDB5K - 5,000 lb



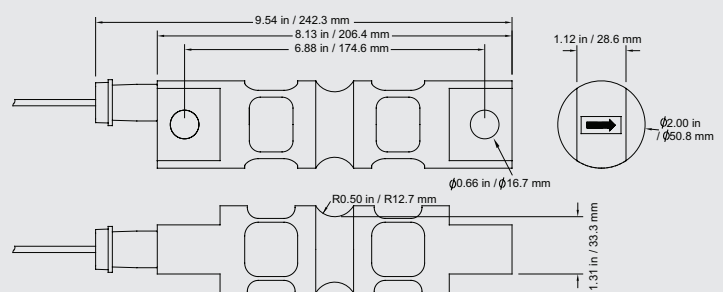
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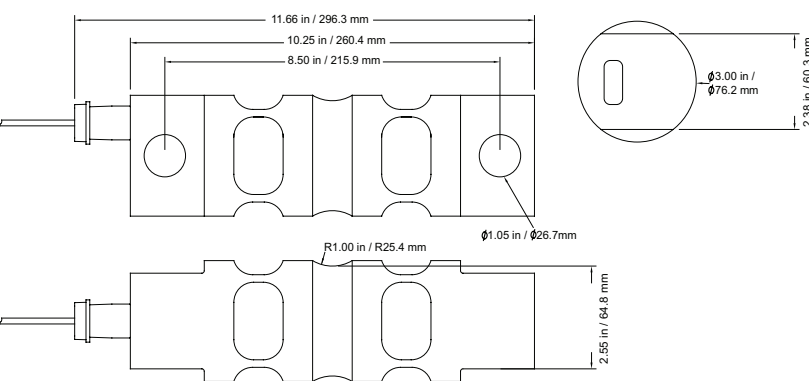
CLDBR5K - 5,000 lb / CLDBR10K - 10,000 lb



CLDBR20K - 20,000 lb

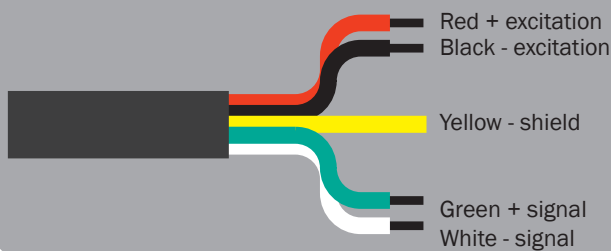


CLDBR30K - 30,000 lb / CLDBR50K - 50,000 lb



Model	Shape	Lb Capacity	Kg Capacity	Shipping Weight
CLDB2.5K	Square	2,500 lb	1,135 kg	3.5 lb
CLDB5K	Square	5,000 lb	2,270 kg	3.5 lb
CLDBR5K	Round	5,000 lb	2,270 kg	5.5 lb
CLDBR10K	Round	10,000 lb	4,535 kg	5.5 lb
CLDBR20K	Round	20,000 lb	9,075 kg	5.5 lb
CLDBR30K	Round	30,000 lb	13,610 kg	20.5 lb
CLDBR50K	Round	50,000 lb	22,680 kg	20.5 lb

ELECTRICAL INFORMATION



State-of-the-Art Load Cell Manufacturing Facility ISO 9001 Quality Environment



CERTIFICATION

VCAP CERTIFIED
Cardinal Scale has been formally audited and found to be fully compliant with the Verified Conformity Assessment Program (VCAP) administered by the National Type Evaluation Program (NTEP) of the National Conference on Weights and Measures (NCWM).

Cardinal Scale reserves the right to improve, enhance or modify features and specifications without prior notice. All registered trademarks are the property of their respective owners.

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SOLD BY:

