

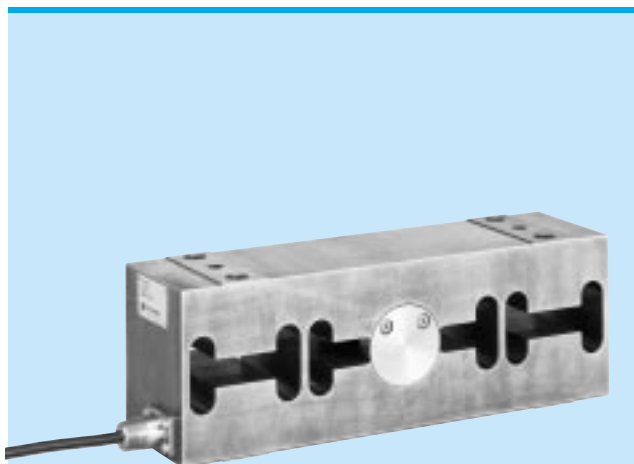
LCD-B-S

Rectangular Load Cells

● For Steelmaking Line ● 5 to 20 kN

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TRANSDUCERS



While designed for monitoring and control of steel rolling process, LCD-B-S series load cells can be manufactured for other processes. Inquiries are welcome.

Features

- Safe overload rating of 400% and mechanical overload rating of 500%
- Protection Rating IP64
- Stainless steel

Specifications

Performance

Rated Capacity:

Model	Rated Capacity
LCD-B-5KNS	5 kN
LCD-B-10KNS	10 kN
LCD-B-20KNS	20 kN

Nonlinearity: Within $\pm 0.2\%$ RO

Hysteresis: Within $\pm 0.1\%$ RO

Repeatability: $\pm 0.1\%$ RO or less

Rated Output: 0.8 mV/V (1600 μ m/m) or more

Environmental Characteristics

Safe Temperature Range: -20 to 120°C

Compensated Temperature Range: -10 to 100°C

Temperature Effect on Zero Balance: Within $\pm 0.01\%$ RO/ $^{\circ}\text{C}$

Temperature Effect on Output: Within $\pm 0.01\%$ / $^{\circ}\text{C}$

Electrical Characteristics

Safe Excitation Voltage: 15 VAC or DC

Recommended Excitation Voltage: 1 to 10 VAC or DC

Input Resistance: $350\ \Omega \pm 2\%$

Output Resistance: $350\ \Omega \pm 2\%$

Cable: 4-conductor (0.75 mm²) fluonlex shielded cable, 8 mm diameter by 20 m long, bared at the tip

Mechanical Properties

Mechanical Overload Rating: 500%

Safe Overload Rating: 400%

Weight: Approx. 30 kg

Protection Rating: IP64

(Splashproof type conforming to JIS C 0920)

Material: Stainless steel (metallic finish)

Models with higher rated capacities than above are available.

Dimensions

