

LCD-C

Rectangular Load Cell



Roll load applied directly for minimal load loss due to system structure, etc.

- Rated capacity: 20 to 150 kN
- High temp. (compensated: -20 to 100°C)
- For tension meters

Load cells installed below the bearings at both ends of the roller to measure the tension for controlling the tension in the metal plate. They can be used to control the manufacturing of paper (pulp), metal wires, sheets, film, etc.

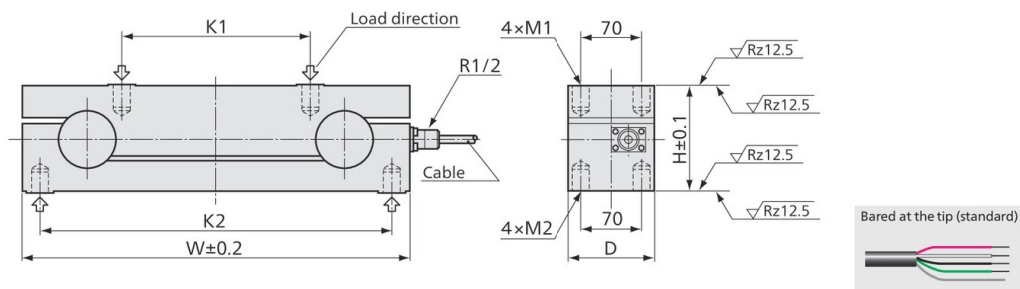
Models

Model	Rated Capacity	W	D	H	K1	K2	M1	M2	Weight (Approx.)*1
LCD-C-20KNSA28	20 kN	360	98	125	260	260	M16 d=25	M16 d=25	31 kg
LCD-C-30KNSA28	30 kN								
LCD-C-30KNSA29	30 kN								
LCD-C-50KNSA29	50 kN	450	100	125	220	410	M20 d=25	M20 d=25	40 kg
LCD-C-100KNSA29	100 kN								
LCD-C-100KNSA30	100 kN								
LCD-C-150KNSA30	150 kN	450	120	125	220	400	M30 d=40	M30 d=40	47 kg

*1 Excluding cable

*Tension application models are available. Please contact us.

Dimensions



Specifications

Performance

Rated Capacity See table below.

Nonlinearity Within $\pm 0.2\%$ RO

Hysteresis Within $\pm 0.2\%$ RO

Rated Output 0.8 mV/V or more

Environmental Characteristics

Safe Temperature -20 to 120°C

Compensated Temperature -20 to 100°C

Temperature Effect on Zero Within $\pm 0.01\%$ RO/°C

Electrical Characteristics

Safe Excitation 15 V AC or DC

Recommended Excitation 1 to 10 V AC or DC

Input Resistance 700 Ω $\pm 2\%$

Output Resistance 700 Ω $\pm 2\%$

Cable 4-conductor (0.75 mm²) fluorlex shielded cable, approx. 8 mm diameter by 20 m long, bared at the tip (Shield wire is not connected to the case.)

Mechanical Properties

Safe Overloads 200%

Ultimate Overloads 400%

Material Stainless steel

Weight See table below.

Degree of Protection IP64 (JIS C 0920/IEC 60529)

*Specifications and design are subject to change without notice.

*Please contact us for information on product warranties.

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Sensor



Strain Gage

Load Cell

Pressure
Sensor

Acceleration
Sensor

Torque
Sensor

Displacement
Sensor

Component
Force
Sensor

Automotive
Sensor

Civil
Engineering
Sensor