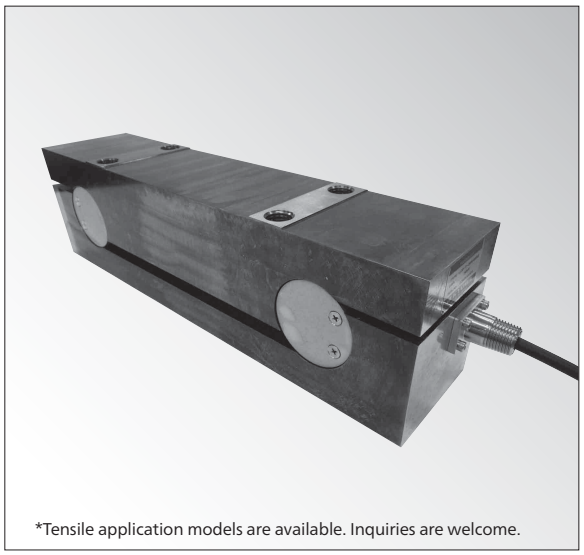
LCD-C

Rectangular Load Cell

●20 to 150 kN ●All stainless steel



*Tensile application models are available. Inquiries are welcome.

Specifications

Performance

Rated Capacity	See table below.
Nonlinearity	Within ±0.2% RO
Hysteresis	Within ±0.2% RO
Rated Output	Approx. 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 ±0.01% RO/°C
Temperature Effect on Output	Within ±0.01%/°C

Electrical Characteristics

Safe Excitation	15 V AC or DC
Recommended Excitation	1 to 10 V AC or DC
Input Resistance	700 Ω ±2%
Output Resistance	700 Ω ±2%
Cable	4-conductor (0.75 mm²) fluonlex shielded cable, approx. 8 mm diameter by 20 m long, bared at the tip (Shield wire is not connected to the case.)

Mechanical Properties

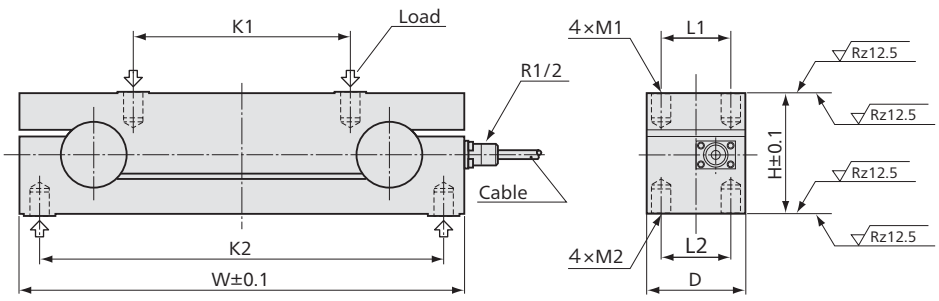
Safe Overloads	200%
Material	Stainless steel
Weight	See table below.
Degree of Protection	IP64 (IEC 60529)

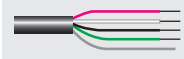
Load loss due to the equipment structure, etc. is small as roll loads are received directly.

●For tension meter
●For high temperature (100℃)
●Corrosion resistance

A load cell installed below the bearings at both ends of the roller to measure the tension for controlling the tension in the metal plate.
This can be used to control the manufacturing of paper (pulp), metal wires, various sheets, film and so on.

■Dimensions





Models	Rated Capacity	W	D	H	K1	L1	M1	K2	L2	M2	Weight (Approx.)*
●LCD-C-20KNSA28	20 kN	360	98	125	260	70	M16 d=25	260	70	M16 d=25	31 kg
●LCD-C-30KNSA28	30 kN										
●LCD-C-30KNSA29	30 kN	450	100		220		M20 d=25	410		M20 d=25	40 kg
●LCD-C-50KNSA29	50 kN										
●LCD-C-100KNSA29	100 kN										
●LCD-C-100KNSA30	100 kN	450	120		220		M30 d=40	400		M30 d=40	47 kg
●LCD-C-150KNSA30	150 kN										

●For delivery date, please contact us.

*Excluding cable