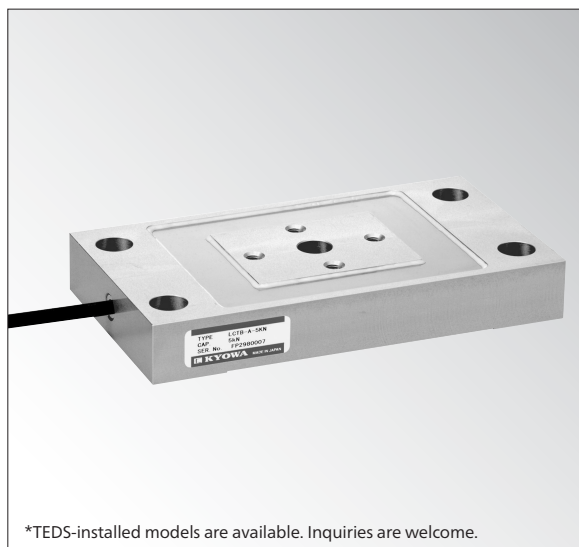


Thin Load Cell "Multi Force Sensor"



The integrated design enables excellent buffer.

- Fixes the top and bottom with bolts.
* An optional Rubber Attachment is required.
- Endures lateral loads (up to 50% of the rated capacity).
- High shock resistance and vibration resistance.

Specifications

Performance

Rated Capacity	See table below.
Nonlinearity	Within $\pm 0.03\%$ RO
Hysteresis	Within $\pm 0.03\%$ RO
Repeatability	0.02% RO or less
Rated Output	1.5 mV/V $\pm 0.2\%$

Environmental Characteristics

Safe Temperature	-20 to 70°C
Compensated Temperature	-10 to 60°C
Temperature Effect on Zero	Within $\pm 0.005\%$ RO/°C
Temperature Effect on Output	Within $\pm 0.005\%$ /°C

Electrical Characteristics

Safe Excitation	20 VDC
Recommended Excitation	1 to 10 VDC
Input Resistance	350 $\Omega \pm 1.5\%$
Output Resistance	350 $\Omega \pm 1.5\%$
Cable	4-conductor (0.3 mm ²) chloroprene shielded cable, 6 mm diameter by 5 m long, bared at the tip (Shield wire is not connected to the case.)

Mechanical Properties

Safe Overloads	150%
Ultimate Lateral Load	50% (Max. load which does not cause any mechanical damage)
Weight	See table below.
Material	Aluminum alloy

(Note 1) No LCTB-A is used for any onboard measurement.

(Note 2) No LCTB-A is used in an environment where it is frequently exposed to lateral loads.

(Note 3) No LCTB-A is installed to any inclined or vertical surfaces.

Optional Accessories

Stainless steel cover COV01-2T

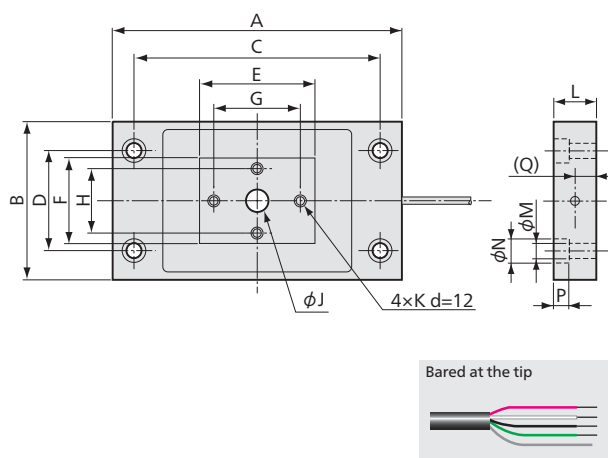
Rubber attachment RA01

Base plate BP01

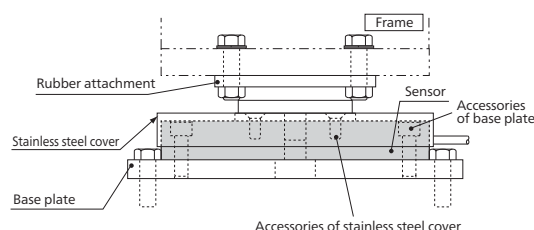
Junction box JB4LC-US

* For the optional accessories for 30KN, 50KN, please contact us.

Dimensions



Configuration Diagram



Models	Rated Capacity	A	B	C	D	E	F	G	H	ϕJ	K	L	ϕM	ϕN	P	(Q)	Weight* (Approx.)
●LCTB-A-5KN	5 kN	200	110	170	70	80	60	60	45	16	M8	29	11	17	11	15	1.8 kg
●LCTB-A-10KN	10 kN											35				16.5	2.3 kg
LCTB-A-20KN	20 kN											39				19	4.3 kg
●LCTB-A-30KN	30 kN	260	150	220	90	90	80	60	60	20	M10	49	13	19	13	24	5.3 kg
●LCTB-A-50KN	50 kN																

●For delivery date, please contact us.

*Excluding cable



Load Cells
(Load Transducers)

Outline

Compressive

Tensile

Tensile &
compressive

Component

Special

Other