



Strain Gage

Load Cell

Pressure
SensorAcceleration
SensorTorque
SensorDisplacement
SensorComponent
Force
SensorAutomotive
SensorCivil
Engineering
Sensor

LTA-C-S

Load Cell for Crane

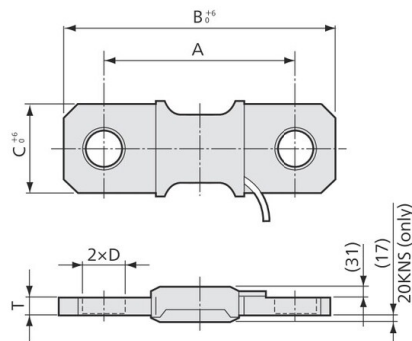
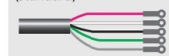


For easy use with cranes

- Rated capacity: 20 to 500 kN
- Ultimate overloads: Approx. 500%

Tension load cells for cranes that can be used as detectors for jib crane weighing systems and for general tension measurement.

■ Dimensions

Crimp-style terminals
(standard)

Specifications

Performance

Rated Capacity	See table below.
Nonlinearity	Within $\pm 1\%$ RO
Hysteresis	Within $\pm 1\%$ RO
Rated Output	0.6 to 0.7 mV/V

Environmental Characteristics

Safe Temperature	-20 to 70°C
Compensated Temperature	-10 to 60°C
Temperature Effect on Zero	Within $\pm 0.05\%$ RO/°C
Temperature Effect on Output	Within $\pm 0.05\%$ /°C

Electrical Characteristics

Safe Excitation	12 V AC or DC
Recommended Excitation	1 to 10 V AC or DC
Input Resistance	350 Ω $\pm 5\%$
Output Resistance	350 Ω $\pm 5\%$
Cable	4-conductor (0.75 mm ²) chloroprene shielded cable, 10 mm diameter by 10 m long, with crimp-style terminals (For M4) (Shield wire is not connected to the case.)

Mechanical Properties

Ultimate Overloads	Approx. 500%
Safe Overloads	150%
Weight	See table below.

*Specifications and design are subject to change without notice.

*Please contact us for information on product warranties.

■ Models

Model	Rated Capacity	A	B	C	D	T	Weight (Approx.)*
LTA-C-20KNS	20 kN	310	410	90	$\phi 45$	14	5 kg
LTA-C-50KNS	50 kN	310	430	110	$\phi 45$	15	5.5 kg
LTA-C-100KNS	100 kN	330	470	126	$\phi 60$	30	11 kg
LTA-C-200KNS	200 kN	360	540	170	$\phi 65$	36	21 kg
LTA-C-300KNS	300 kN	400	610	195	$\phi 75$	47	35 kg
LTA-C-500KNS	500 kN	440	670	240	$\phi 85$	60	60 kg

*Excluding cable

To Ensure Proper Usage

- Install carefully to avoid applying forces such as bending or twisting to the product. Mount so that no tensile force or impact force is applied to cables.
- Install a safety device in preparation for accidents, such as a link to provide alternate support if the load cell breaks.