



Strain Gage

Load Cell

Pressure Sensor

Acceleration Sensor

Torque Sensor

Displacement Sensor

Component Force Sensor

Automotive Sensor

Civil Engineering Sensor

LCTA-A

Thin Load Cell "Multi Force Sensor"



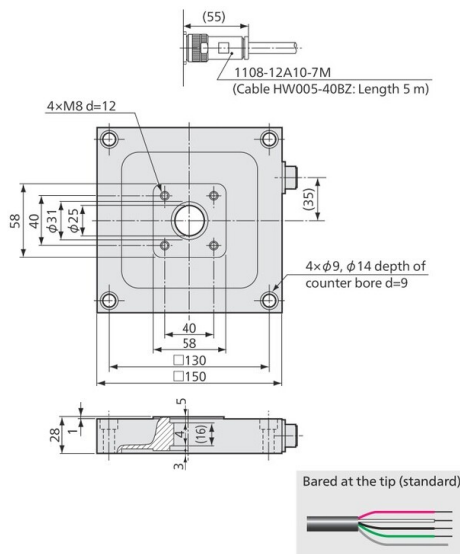
The integrated design enables excellent buffer.

- Rated capacity: 500 N to 3 kN
- Endures lateral loads (20% of rated capacity)
- Detachable cable for easy installation

Thin load cells with superior impact resistance and vibration resistance, that can be used with the upper/lower surface fixed*.

*An optional Rubber Attachment is required.

■ Dimensions



Specifications

Performance

Rated Capacity	See table below.
Nonlinearity	Within $\pm 0.05\%$ RO
Hysteresis	Within $\pm 0.05\%$ RO
Repeatability	0.03% RO or less
Rated Output	2 mV/V $\pm 0.2\%$

Environmental Characteristics

Safe Temperature	-20 to 70°C
Compensated Temperature	-10 to 60°C
Temperature Effect on Zero	Within $\pm 0.01\%$ RO/°C
Temperature Effect on Output	Within $\pm 0.01\%$ /°C

Electrical Characteristics

Safe Excitation	20 V DC
Recommended Excitation	1 to 10 V DC
Input Resistance	350 $\Omega \pm 1.5\%$
Output Resistance	350 $\Omega \pm 1.5\%$
Cable	4-conductor (0.5 mm ²) chloroprene shielded cable, 8.5 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	20% (Max. load which does not cause any mechanical damage)
Weight	Approx. 1.1 kg
Material	Aluminum alloy

- Optional Accessories Stainless steel cover COV03-300K
Rubber attachment RA02

*No LCTA-A is used for any onboard measurement.

*No LCTA-A is used in an environment where it is frequently exposed to lateral loads.

*No LCTA-A is installed to any inclined or vertical surfaces.

■ Models

Model	Rated Capacity
LCTA-A-500N	500 N
LCTA-A-800N	800 N
LCTA-A-1KN	1 kN
LCTA-A-2KN	2 kN
LCTA-A-3KN	3 kN

*TEDS-installed models are available. Please contact us.

■ Configuration Diagram

