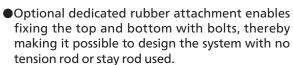
Thin Load Cell "Multi Force Sensor"



LCTE-A

Advanced Thin Design 1/2 to 1/3 height to the **Conventional** one More Applications are possible



- •Safety factor is 3 to 5 times higher than conventional type. Endures lateral loads up to 20% of the rated capacity.
- Rubber attachment attenuates impact energy and lessens the effects of thermal expansion of system and the moment of fixed section.
- •Rubber attachment enables easy installation without concern for parallelism.
- Varieties of accuracies and output signals are available, enabling configuration of the most suitable system for each application.
- •Combination instruments such as amplifiers are easily connected since the wirings are the same as conventional load cells.

Specifications

Performance

Rated Capacity	See table below.	
Nonlinearity	Within ±0.05% RO (10 to 50 kN)	
	Within ±0.1% RO (100 kN)	
Hysteresis	Within ±0.05% RO (10 to 50 kN)	
	Within ±0.1% RO (100 kN)	
Repeatability	±0.03% RO or less (10 to 50 kN)	
	±0.05% RO or less (100 kN)	
Rated Output	2 mV/V ±0.2%	

Environmental Characteristics

Safe Temperature	-20 to 70°C
Compensated Temperature	-10 to 60°C
Temperature Effect on Zero	Within ±0.003% RO/°C
Temperature Effect on Output	Within ±0.003%/°C

Electrical Characteristics

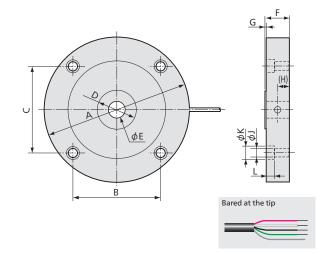
Safe Excitation		20 V DC			
Recommended Excitation		1 to 10 V DC			
Input Resistance		350 Ω±1.5%			
Output Resistance 350 Ω±1.5%					
Cable	le 4-conductor (0.3 mm²) chloroprene shielded cable,				
	6 mm diameter by 5 m long but 10 m for 100 kN,				
bared at the tip (Shield wire is not connected to the case.)					

Mechanical Properties

Safe Overloads	150%
Ultimate Lateral Load	50% (Maximum load which does not cause any
	mechanical damage)
Weight	See table below.
Materials	Special steel

- 1. No LCTE-A is used for any onboard measurement.
- 2. No LCTE-A is used in an environment where it is frequently exposed to lateral loads.
- 3. No LCTE-A is installed to any inclined or vertical surfaces.

Dimensions

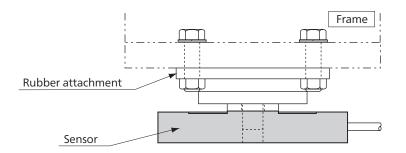


Models	Rated Capacity	А	В	С	D	φЕ	F	G	(H)	φЈ	φК	L	Weight*
LCTE-A-10KN	10 kN	148	90	90	40	16	25		13	9	14	8.5	≈ 3.2 kg
LCTE-A-20KN	20 kN	178	110	110	63	10	21	1	15	11	1.0	11	≈ 5.1 kg
LCTE-A-30KN	30 kN	1/8	110	110	62		31	'	15	''	18	''	≈ 3.1 kg
LCTE-A-50KN	50 kN	198	124	124	80	20	35		17	14	20	13	≈ 6.9 kg
LCTE-A-100KN	100 kN	190					37	3					≈ 7.2 kg

*Excluding cable



Optional Accessories



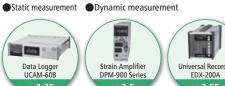
Applicable Accessories

Models	Rubber Attachment					
LCTE-A-10KN	DAG1 2T					
LCTE-A-20KN	RA01-2T					
LCTE-A-30KN	RA01-5T					
LCTE-A-50KN	DA01 ET DA01 10T					
LCTE-A-100KN	RA01-5T, RA01-10T					





Data Logger UCAM-60B





Instrumentation Amplifier WGA-900A

Universal Recorder EDX-200A

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