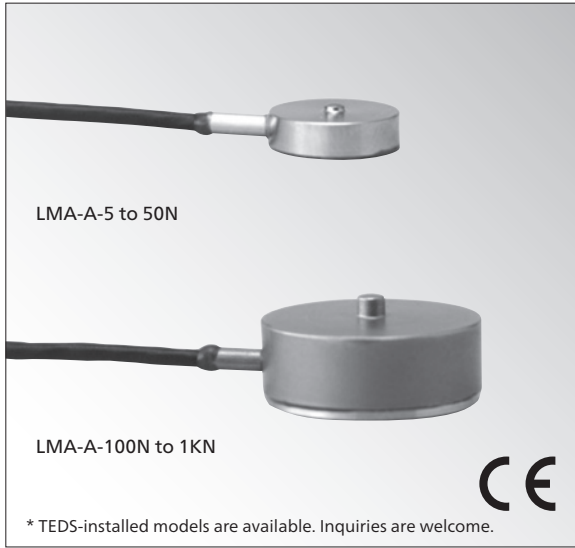


LMA-A

● $\phi 12$ mm, thickness: 4 mm (5N to 50N) ● 5 N to 1 kN

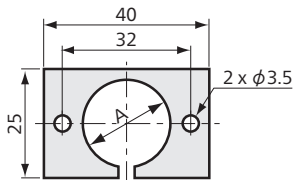
Small-sized Compression Load Cell



Compact & lightweight
Moderate price
Suitable for load distribution measurement

Compact and lightweight LMA-A series load cells are used by just putting or bonding on the measurement point or setting in a hollow.

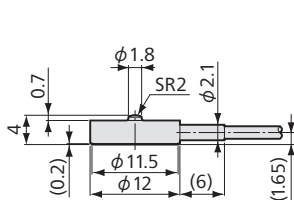
Mount Base CFM-A



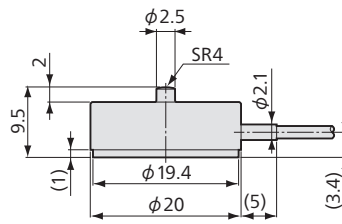
Models	A	Thickness
CFM-5A	12.2	1.5
CFM-100A	20.2	3.0

Material: Aluminum alloy

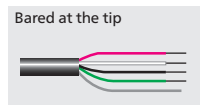
Dimensions



LMA-A-5N to 50N



LMA-A-100N to 1KN



Specifications

Performance

Rated Capacity	See table below.
Nonlinearity	Within $\pm 1\%$ RO
Hysteresis	Within $\pm 1\%$ RO
Repeatability	1% RO or less
Rated Output	0.75 to 2 mV/V
	5N: 0.6 to 2 mV/V

Environmental Characteristics

Safe Temperature	-10 to 60°C (Non-condensing)
Compensated Temperature	0 to 50°C (Non-condensing)
Temperature Effect on Zero	Within $\pm 0.05\%$ RO/°C
	(5N: Within $\pm 0.3\%$ RO/°C)
	(10 to 50 N: Within $\pm 0.2\%$ RO/°C)
Temperature Effect on Output	Within $\pm 0.05\%$ /°C
	(5 to 50N: Within $\pm 0.2\%$ /°C)

Electrical Characteristics

Safe Excitation	7 V AC or DC
Recommended Excitation	1 to 5 V AC or DC
Input Resistance	350 $\Omega \pm 2.5\%$
Output Resistance	350 $\Omega \pm 2.5\%$
Cable	4-conductor (0.035 mm ²) vinyl shielded cable, 1.7 mm diameter by 2 m long, bared at the tip (Shield wire is not connected to the case.)

Mechanical Properties

Safe Overloads	150%
Natural Frequencies	See table below.
Weight	5 to 50 N: Approx. 1.5 g (Excluding cable)
	100 N to 1 kN: Approx. 11 g (Excluding cable)
Material	Copper alloy
	100 N to 1 kN: Stainless steel
Degree of Protection	IP64 (IEC 60529)
Compliance	Directive 2011/65/EU (RoHS)

Optional Accessories | Mount base CFM-A

Models	Rated Capacity	Natural Frequencies (Approx.)	Mount Base
LMA-A-5N	5 N	15.3 kHz	CFM-5A
LMA-A-10N	10 N	17.5 kHz	
LMA-A-20N	20 N	24.8 kHz	
LMA-A-50N	50 N	32.6 kHz	
LMA-A-100N	100 N	21.6 kHz	CFM-100A
LMA-A-200N	200 N	29.7 kHz	
LMA-A-500N	500 N	43.9 kHz	
LMA-A-1KN	1 kN	53.0 kHz	

● Physical quantity indication

● Static measurement ● Dynamic measurement

