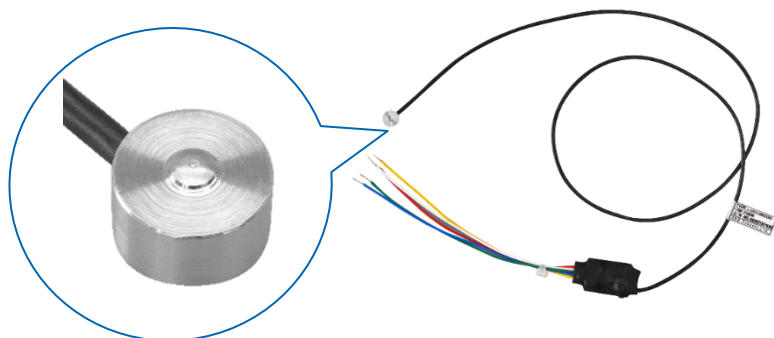


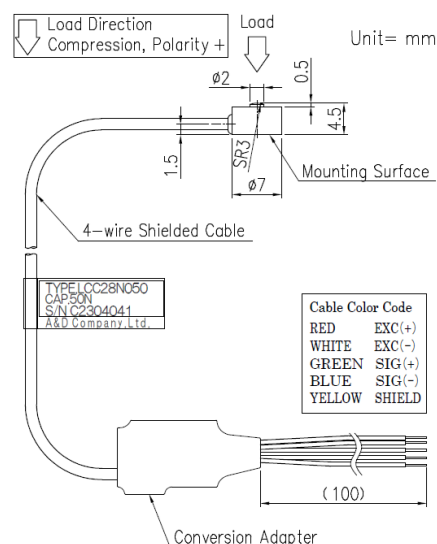
LCC28 Series

Small and Lightweight Compression Load Cell for Force Measurement

- **Diameter:** 7 mm
- **Height:** 4.5 mm
- **Weight:** Approx. 2 g
- **Rated Capacity:** 50 N to 500 N
- **Ideal for:** Installation in restricted spaces due to its compact size



External Dimensions



Specifications

	LCC28N050	LCC28N100	LCC28N200	LCC28N500
Rated capacity (R.C.)	50 N (5.099 kg)	100 N (10.20 kg)	200 N (20.39 kg)	500 N (50.99 kg)
Deflection amount	0.01 mm			
Natural frequency	80 kHz	100 kHz	116 kHz	115 kHz
Rated output (R.O.)	0.25 mV/V ±30 %			0.5 mV/V ±30 %
Non-linearity	0.5 % of R.O.			
Hysteresis	0.5 % of R.O.			
Repeatability	0.5 % of R.O.			
Recommended excitation voltage	5 VDC			
Zero balance	±20 % of R.O.			
Input terminal resistance	Approx. 700 Ω			
Output terminal resistance	Approx. 350 Ω			
Insulation resistance	Greater than 1000 MΩ at 50 VDC (B/E)			
Temperature effect on zero point	±1 % of R.O. / 10 °C			
Temperature effect on span	±1 % of Load / 10 °C			
Temperature compensation range	5 °C to 50 °C			
Allowable temperature range	-10 °C to 80 °C			
Safe overload	120% of R.C.			
Cable	φ1.6 mm, 4-core shielded cable / 0.5 m			
Material	Beryllium copper	Stainless steel		
Weight	Approx. 2 g			

Discover Precision

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