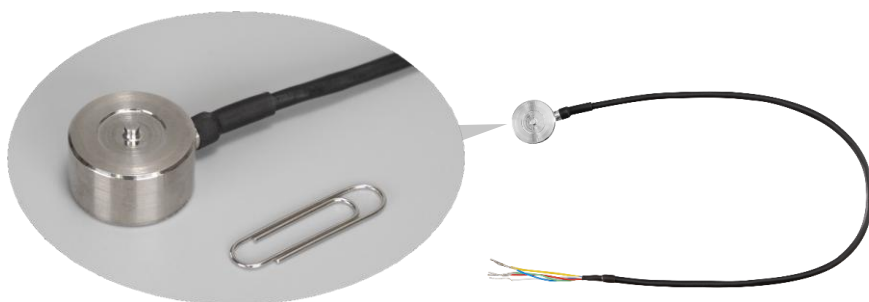


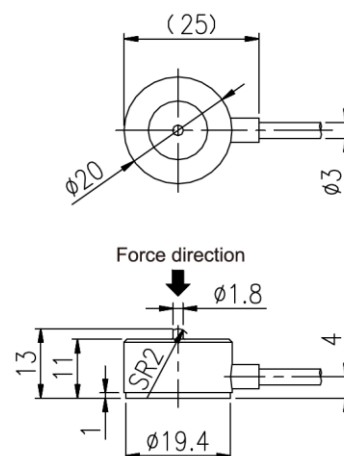
Small and Lightweight Compression Load Cell for Force Measurement

- **Diameter:** 20 mm
- **Height:** 13 mm
- **Weight:** Approx. 23 g
- **Rated Capacity:** 200 N to 5k N
- **Ideal for:** Installation in restricted spaces due to its compact size



External Dimensions

Unit: mm



Specifications

	LCC32-N200	LCC32-N500	LCC32-KN002	LCC32-KN005
Rated capacity (R.C.)	200 N (20.39 kg)	500 N (50.99 kg)	2 kN (203.9 kg)	5 kN(509.9 kg)
Deflection amount	0.01 mm		0.02 mm	0.03 mm
Natural frequency	44 kHz		48 kHz	
Rated output (R.O.)	1 mV/V ±20 %			
Safe overload	150 % R.C.			
Combined error	0.5% R.O.			
Non-linearity	0.3 % R.O.			
Hysteresis	0.3 % R.O.			
Repeatability	0.2 % R.O.			
Zero balance	±10 % R.O.			
Temperature compensation range	0 °C to 50 °C			
Allowable temperature range	-10 °C to 60 °C			
Recommended excitation voltage	5 to 12 VDC			
Maximum excitation voltage	15 VDC			
Input terminal resistance	1 kΩ ± 0.1 kΩ			
Output terminal resistance	1 kΩ ± 0.01 kΩ			
Insulation resistance	Greater than 500 MΩ at 50 VDC			
Temperature effect on zero point	0.1 % R.O. / 10 °C			
Temperature effect on span	0.1 % Load / 10 °C Typ.			
Cable	φ3, length 0.3 m			
Material	Stainless steel			
Weight	Approx. 23 g			

Discover Precision

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