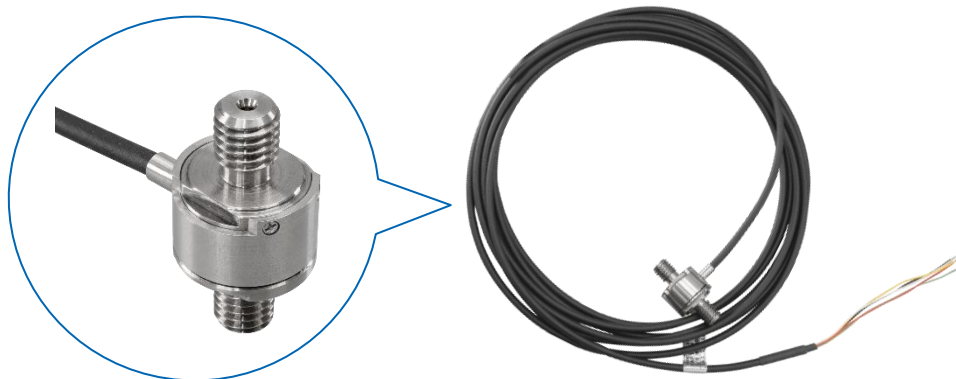


LCT31 Series

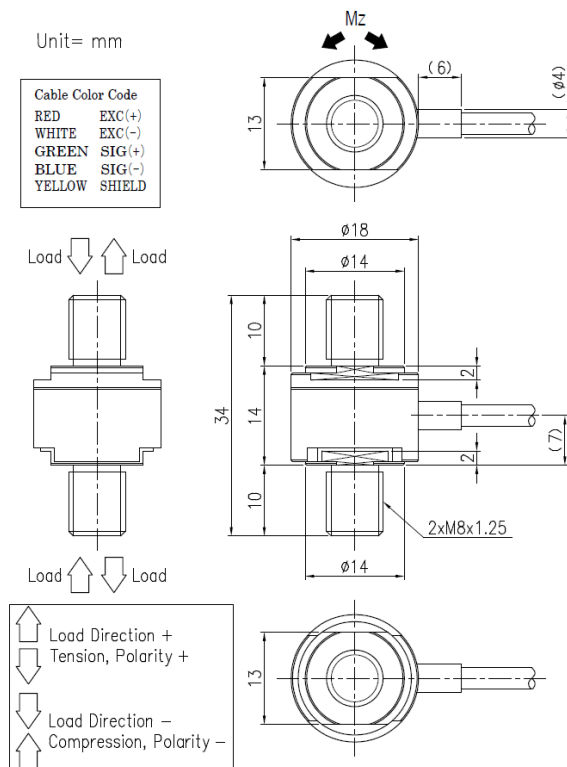
Small and Lightweight Threaded Design

Suitable for both tension and compression measurements

- **Thread Size:** M8
- **Outer Diameter:** $\phi 18$ mm
- **Weight:** Approximately 25 g
- **Rated Capacity:** 5 kN to 10 kN
- **Ideal for:** Installation in restricted spaces due to its compact size



External Dimensions



Specifications

	LCT31KN005	LCT31KN010
Rated capacity (R.C.)	5 kN (509.9 kg)	10 kN (1020 kg)
Deflection amount	Less than 0.08 mm	
Natural frequency	16 kHz	
Rated output (R.O.)	0.75 mV/V $\pm 10\%$	1.5 mV/V $\pm 10\%$
Non-linearity	0.5 % of R.O.	
Hysteresis	0.5 % of R.O.	
Repeatability	0.5 % of R.O.	
Recommended excitation voltage	5 VDC	
Maximum excitation voltage	10 VDC	
Zero balance	$\pm 10\%$ of R.O.	
Input terminal resistance	Approx. 850 Ω	
Output terminal resistance	Approx. 850 Ω	
Insulation resistance	Greater than 1000 M Ω at 50 VDC (B/E)	
Temperature effect on zero point	$\pm 0.5\%$ of R.O. / 10 $^{\circ}$ C	
Temperature effect on span	$\pm 0.5\%$ of Load / 10 $^{\circ}$ C	
Temperature compensation range	-10 $^{\circ}$ C to 60 $^{\circ}$ C	
Allowable temperature range	-20 $^{\circ}$ C to 70 $^{\circ}$ C	
Safe overload	150% of R.C.	
Cable	$\phi 3$ mm, 4-core shielded cable / 3 m	
Load cell material	Stainless steel	
Weight	Approx. 25 g	

Discover Precision

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