

MINIATURE COMPRESSION LOAD CELL

Model LCOM

Compression load cell.

These load cells are extremely small and light weight.



SPECIFICATIONS

Specifications	Accuracy
Rated capacity(R.C.)	50kgf, 100kgf, 200kgf, 500kgf, 1tf, 2tf, 3tf, 5tf, 10tf
Rated output(R.O.)	2mV/V $\pm$ 0.4%
Nonlinearity	0.15% of R.O.
Hysteresis	0.1% of R.O.
Repeatability	0.1% of R.O.
Zero balance	$\pm$ 2.0% of R.O.
Temperature effect, on rated output	0.1% of LOAD / 10°C
Temperature effect, on zero balance	0.05% of R.O. / 10°C
Temperature range, compensated	-10~60°C
Temperature range, safe	-10~80°C
Terminal resistance input	350 $\pm$ 30 Ω
Terminal resistance output	350 $\pm$ 2 Ω
Insulation resistance bridge/case	2000 M Ω
Excitation recommended	10V
Safe overload	150% R.C.
Cable length	50kgf~2tf : .5mm 4core, 3m / 3tf~10tf : .7mm 4core, 3m

DIMENSIONS TABLE(LMM)

unit:mm

Capacity	ØA	B	C	D	E	F	G	H	ØI	Weight(kg)
50kgf-2tf (490kN~19.61kN)	51	26	R50	42	M5×0.8DP6	15	10.5	22	10	0.4
3tf, 5tf (49.03kN)	88	42	R150	72	M6×1DP10	23	17	37	18	2
10tf (98.07kN)	88	47	R150	72	M6×1DP10	23	17	42	18	2

