

COMPRESSION & TENSION LOAD CELL

Model LTX

Model LTX load cells measure both tension & compression load force. Applications include performance testers for automotive industry.



SPECIFICATIONS

Specifications	Accuracy
Rated capacity(R.C.)	100kg, 200kg, 500kg, 1t, 2t, 3t, 5t, 10t, 20t, 50t, 100t, 200t, 300t
Rated output(R.O.)	1mV/V $\pm$ 1%
Nonlinearity	0.15% of R.O.
Hysteresis	0.15% of R.O.
Repeatability	0.1% of R.O.
Zero balance	$\pm$ 1.0% of R.O.
Temperature effect, on rated output	0.01% of LOAD/10°C
Temperature effect, on zero balance	0.02% of R.O/10°C
Temperature range, compensated	-10~60°C
Temperature range, safe	-20 ~ 80°C
Terminal resistance input	350 $\pm$ 30 Ω
Terminal resistance output	350 $\pm$ 30 Ω
Insulation resistance bridge/case	2000M Ω
Excitation recommended	10V
Safe overload	120% R.C.
Cable length	5mm 4core cable, 3m

DIMENSIONS TABLE

unit:mm

Capacity	A	B	ØC	D	E	Weight(kg)
100kgf (980.7N)	75	35	28	M16X1.5	20	0.5
200kgf (1.961kN)	75	35	28	M16X1.5	20	
500kgf (4.903kN)	75	35	28	M16X1.5	20	
1tf (9.807kN)	75	35	28	M20X1.5	20	
2tf (19.61kN)	75	35	28	M20X1.5	20	
3tf (29.42kN)	75	35	28	M20X1.5	20	
5tf (49.03kN)	75	35	33	M24X2	20	0.7
10tf (98.07kN)	170	100	62.5	M39X2	35	2.5
20tf (196.1kN)	190	100	63	M39X2	50	2.8
50tf (490.3kN)	245	105	85	M64X2	70	7.5
100tf (980.7kN)	340	140	115	M80X2	100	18
200tf (1961MN)	390	160	150	M110X2	115	36
300tf (2942MN)	450	194	169	M125X4	128	46

