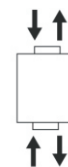


MINIATURE COMPRESSION & TENSION LOAD CELL

Model AUMI

Model AUMI load cells measure both tension & compression load force of 100gf to 2tf. High accuracy, high output Voltage and tight tolerance provides excellent reliability. Applications include performance testers for automotive industry



SPECIFICATIONS

Specifications	Accuracy
Rated capacity(R.C.)	100gf, 200gf, 500gf, 1kgf, 2kgf, 5kgf, 10kgf, 50kgf, 100kgf, 200kgf, 500kgf, 1tf, 2tf
Rated output(R.O.)	2mV/V $\pm 1\%$ (100gf-5kgf=1mV/V)
Nonlinearity	0.03% of R.O.
Hysteresis	0.03% of R.O.
Repeatability	0.03% of R.O.
Zero balance	$\pm 2.0\%$ of R.O.
Excitation recommended	10V (100gf-5kgf=5V)
Terminal resistance	350 $\Omega \pm 1\%$
Insulation resistance bridge	2000 M Ω
Temperature range, compensated	-10-50 $^{\circ}\text{C}$
Temperature range, safe	-20 ~ 80 $^{\circ}\text{C}$
Temperature effect, on rated output	0.1% of LOAD/10 $^{\circ}\text{C}$
Temperature effect, on zero balance	0.05% of R.O./10 $^{\circ}\text{C}$
Excitation recommended	10V
Safe overload	120% R.C.
Cable length	$\varnothing 5 \pm 0.5$, 4core, 3m

DIMENSIONS TABLE

unit:mm

Capacity	ØA	B	C	ØD	ØE	F	G	H	I	J	Weight(kg)
100gf (0.980N)	52	45	37	47	10.5	M4X0.7DP8	7	1	38	4-M4 DP6	0.5
200gf (1.961N)	52	45	37	47	10.5	M4X0.7DP8	7	1	38	4-M4 DP6	
500gf (4.903N)	52	45	37	47	10.5	M4X0.7DP8	7	1	38	4-M4 DP6	
1kgf (9.807N)	52	45	37	47	10.5	M6X1.0DP8	7	1	38	4-M4 DP6	
2kgf (19.61N)	52	45	37	47	12	M6X1.0DP8	7	1	38	4-M4 DP6	
5kgf (49.03N)	52	45	37	47	12	M6X1.0DP8	7	1	38	4-M4 DP6	1
10kgf (98.07N)	60	80	73	50	20	M12X1.75DP15	5	2	40	4-M5 DP10	
20kgf (196.1N)	60	80	73	50	20	M12X1.75DP15	5	2	40	4-M5 DP10	
50kgf (490.3N)	60	80	73	50	20	M12X1.75DP15	5	2	40	4-M5 DP10	
100kgf (980.7N)	60	80	73	50	20	M12X1.75DP15	5	2	40	4-M5 DP10	
200kgf (1.961kN)	60	80	73	50	20	M12X1.75DP15	5	2	40	4-M5 DP10	2
500kgf (4.903kN)	60	80	73	50	20	M12X1.75DP15	5	2	40	4-M5 DP10	
1tf (9.807kN)	60	80	73	50	20	M12X1.75DP15	5	2	40	4-M5 DP10	
2tf (19.61kN)	88	110	102	80	36	M18X1.5DP22	5	3	55	4-M6 Dp12	3

