

LOW PROFILE TENSION OR COMPRESSION LOAD

Model LUW&LUH

Applicable for both compression and tension methods.
Being tough against twisting momentum, most suitable for load fatigue testing repeat test of load etc.

LUW : Protection Class Ip67



SPECIFICATIONS

Specifications	Accuracy	
	LUW	LUH
Rated capacity(R.C.)	500kgf, 1tf, 2tf, 5tf, 10tf, 20tf, 30tf, 50tf, 100tf, 200tf, 300tf, 500tf	500kgf, 1tf, 2tf, 5tf, 10tf, 20tf, 50tf
Rated output(R.O.)	2mV/V $\pm$ 0.1%	2mV/V $\pm$ 0.1%
Nonlinearity	0.05% of R.O.(300tf~500tf : 0.1%)	0.02% of R.O.
Hysteresis	0.05% of R.O.(300tf~500tf : 0.1%)	0.02% of R.O.
Repeatability	0.03% of R.O.(300tf~500tf : 0.05%)	0.02% of R.O.
Zero balance	$\pm$ 2.0% of R.O.	$\pm$ 2.0% of R.O.
Temperature effect, on rated output	0.05% of LOAD/10°C	0.03% of LOAD/10°C
Temperature effect, on zero balance	0.05% of R.O./10°C	0.03% of R.O./10°C
Temperature range, compensated	-10~60°C	-10~60°C
Temperature range, safe	-20 ~ 80°C	-20 ~ 80°C
Terminal resistance input	700 $\pm$ 5 Ω	700 $\pm$ 50 Ω
Terminal resistance output	700 $\pm$ 3 Ω	700 $\pm$ 3 Ω
Insulation resistance bridge/case	2000M Ω	2000M Ω
Excitation recommended	10V	10V
Safe overload	150% R.C.	150% R.C.
Cable length	$\varnothing$ 7mm 4core, 3m	$\varnothing$ 7mm 4core, 3m

DIMENSIONS TABLE

unit:mm

Capacity	ØA	B	ØC	D	E	F	G	H	Weight(kg)
500kgf (4.903KN)	88	25	22	1.5	6-Ø6.5	75	108	M12X1.25	1
1tf (9.807KN)	118	46	43	1.5	8-Ø9	100	153	M18X1.5	3
2tf (19.61KN)	118	46	43	1.5	8-Ø9	100	153	M18X1.5	
5tf (49.03KN)	118	46	43	1.5	8-Ø9	100	153	M18X1.5	
10tf (98.07KN)	178	65	43	11	8-Ø13	155	215	M24X2	9
20tf (196.1KN)	178	65	43	11	8-Ø13	155	215	M39X2	
30tf (294.2KN)	178	65	43	11	8-Ø13	155	215	M39X2	10
50tf (490.3KN)	226	100	43	28.5	12-Ø18	190	266	M50X2	23
100tf (980.7KN)	310	130	43	43.5	16-Ø22	260	350	M76X3	60
200tf (1961MN)	380	170	43	63	16-Ø38	315	420	M100X3	90
300tf (2942MN)	450	200	50	75	16-Ø45	365	490	M140X3	180
500tf (4903MN)	496	300	70	115	16-Ø52	420	536	M180X3	245

