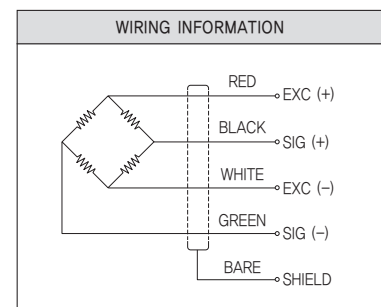
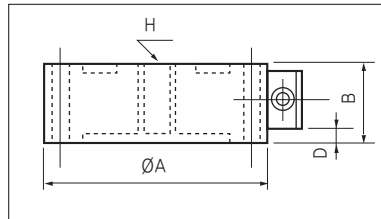
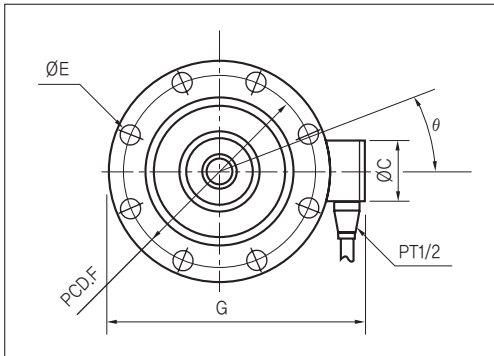


Low Profile Tension or Compression Load Cells

>Model UL, UL272

인장 압축이 가능한 로드셀로 높은 정밀도와 편하중에 의한 오차가 적은 구조로 압입하중 관리용이나 하중시험기, 계량시스템등에 적합하며 높이가 낮아 설치가 용이 / 고강도 합금강을 사용하고 완전밀폐구조형.



>SPECIFICATIONS

Specifications	Accuracy		
	UL	ULH	UL272
Rated capacity(R.C.)	500kgf, 1tf, 2tf, 5tf, 10tf, 20tf, 30tf, 50tf, 100tf, 200tf, 300tf, 500tf	500kgf, 1tf, 2tf, 5tf, 10tf, 20tf, 50tf	1.5tf, 2tf, 3tf, 4tf, 5tf, 7tf, 8tf, 14tf
Rated output(R.O.)	2mV/V $\pm$ 0.1%	2mV/V $\pm$ 0.1%	2mV/V $\pm$ 0.1%
Nonlinearity	0.05% of R.O.(300tf~500tf : 0.5%)	0.02% of R.O.	0.1% of R.O.
Hysteresis	0.05% of R.O.(300tf~500tf : 0.5%)	0.02% of R.O.	0.1% of R.O.
Repeatability	0.03% of R.O.(300tf~500tf : 0.05%)	0.02% of R.O.	0.05% of R.O.
Zero balance	$\pm$ 2% of R.O.	$\pm$ 2% of R.O.	$\pm$ 2% of R.O.
Temperature effect, on rated output	0.05% of LOAD/10 $^{\circ}$ C	0.03% of LOAD/10 $^{\circ}$ C	0.05% of LOAD/10 $^{\circ}$ C
Temperature effect, on zero balance	0.05% of R.O./10 $^{\circ}$ C	0.03% of R.O./10 $^{\circ}$ C	0.05% of R.O./10 $^{\circ}$ C
Temperature range, compensated	-10~60 $^{\circ}$ C	-10~60 $^{\circ}$ C	-10~60 $^{\circ}$ C
Temperature range, safe	-20~80 $^{\circ}$ C	-20~80 $^{\circ}$ C	-20~70 $^{\circ}$ C
Terminal resistance input	700 $\pm$ 5 Ω	700 $\pm$ 50 Ω	700 $\pm$ 50 Ω
Terminal resistance output	700 $\pm$ 3 Ω	700 $\pm$ 3 Ω	700 $\pm$ 3 Ω
Insulation resistance bridge/case	2000M Ω	2000M Ω	2000M Ω
Excitation recommended	10V	10V	10V
Safe overload	150% R.C.	150% R.C.	150% R.C.
Cable length	$\varnothing$ 7mm 4core, 3m	$\varnothing$ 7mm 4core, 3m	$\varnothing$ 7mm 4core, 3m

>DIMENSIONS TABLE

unit:mm

Capacity	ØA	B	ØC	D	E	F	G	H	
500kgf (4,903kN)	88	25	22	1.5	6-Ø6.5	75	108	M12×1.25	1
1tf (9,807kN)	118	46	43	1.5	8-Ø9	100	153	M18×1.5	3
2tf (19,61kN)	118	46	43	1.5	8-Ø9	100	153	M18×1.5	
5tf (49,03kN)	118	46	43	1.5	8-Ø9	100	153	M18×1.5	
10tf (98,07kN)	178	65	43	11	8-Ø13	155	215	M24×2	9
20tf (196,1kN)	178	65	43	11	8-Ø13	155	215	M39×2	
50tf (490,3kN)	226	100	43	28.5	12-Ø18	190	266	M50×2	23
100tf (980,7kN)	310	130	43	43.5	16-Ø22	260	350	M76×3	60
200tf (1961kN)	380	170	43	63	16-Ø38	315	420	M100×3	90
300tf (2942kN)	450	200	50	75	16-Ø45	365	490	M140×3	180
500tf (4903kN)	496	300	70	115	16-Ø52	420	536	M180×3	245

Model	UL272							
Capacity	ØA	B	ØC	D	E	F	G	ØH
UL272, 1.5tf~5tf	118	46	40	3	8-Ø9 hole	100	153	M27 x 2
UL272, 7tf, 8tf	144	55	40	7.5	8-Ø11 hole	120	178	M27 x 2
UL272, 14Tf	157	64	40	12	8-Ø14 hole	135	192	M39 x 2

★Specifications are subject to change without notice.