



Series LPLC

Low Profile Load Cell (1tf ~ 100tf)



Material

- Nickel plated steel
- Paint finished steel

Cable

- Braided Shield 4-wire round cable

Features

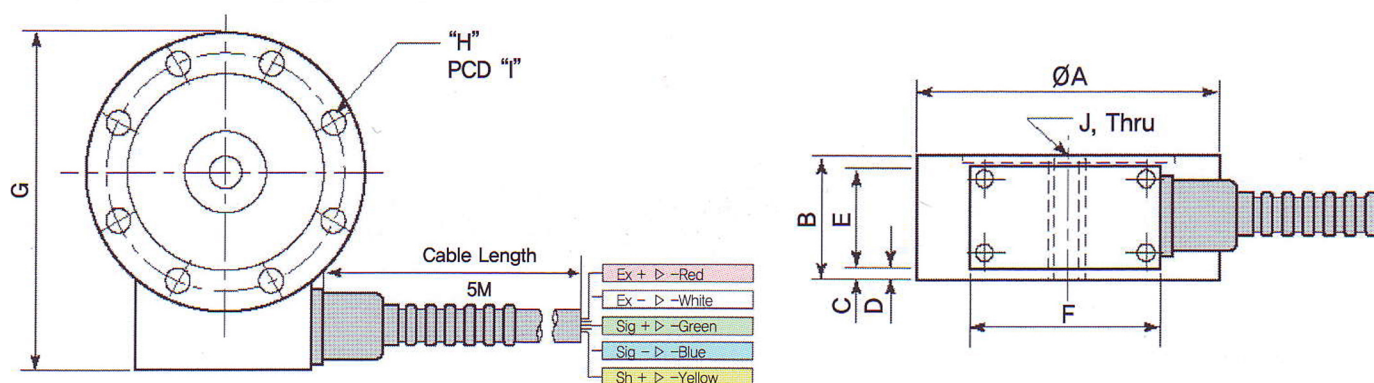
- Hermetically sealed
- High reliability against fatigue and force

Options

- High accuracy grade
- Stainless steel

SPECIFICATIONS

Rated capacity (R.C.)	kgf, tf	1, 2, 3, 5, 10, 20, 50, 100tf	
Rated output (R.O.)	mV/V	2.0 ± 0.005	
Zero balance	mV/V	0 ± 0.02	
Accuracy class		High (Option)	High (Option)
Combine error	%	0.02	0.05
Repeatability	%	0.01	0.02
Creep for 30 min	%	0.03	0.03
Temperature Effect on Zero Value	%/10°C	0.03	0.03
Temperature Effect on Output Value	%/10°C	0.03	0.03
Excitation Recommended	V	10	
Excitation Recommended	V	15	
Resistance Input	Ω	400 ± 30	
Resistance Output	Ω	350Ω ± 3.5	
Resistance Insulation	MΩ	> 2,000	
Compensated temperature range	°C	-10 to +40	
Operating temperature range	°C	-30 to +80	



DIMENSIONS

TYPE	Capacity	ØA	B	C	D	E	F	G	H	I	J
LPLC1-1tf	1tf	112	46	4	1	38	68	141.5	8 - Ø6.6	97.2	M16 × 2.0
LPLC1-2tf	2tf										
LPLC1-3tf	3tf	112	46	4	1	38	68	141.5	8 - Ø6.6	97.2	M16 × 2.0
LPLC1-5tf	5tf	120	46	4	1	38	68	149.5	8 - Ø9	103.2	M18 × 1.5
LPLC1-10tf	10tf	138	60	11	1	38	68	167.5	8 - Ø11	117.6	M24 × 2.0
LPLC1-20tf	20tf	184	60	11	1	38	68	213.5	8 - Ø14	157.6	M39 × 2.0
LPLC1-50tf	50tf	200	80	21	1	38	68	229.5	8 - Ø14.3	170	M45 × 3.0
LPLC1-100tf	100tf	278	90	31	1	38	68	307.5	8 - Ø16.3	229	M70 × 3.0

* Option : Material Selection (Aluminum or stainless steel)

* Specifications are subject to change without notice

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