



Series CLCC

Compression Load Cell (200kg ~ 20t)
Canister Type



The CLCC series load cells are designed for measuring compressive loads up to 20 tonnes are particularly suited for industrial application where optimum precision is needed. Featuring high-alloy tool steel construction for excellent repeatability, the unique element design provides high rated output (3mV/V) with low deflection. It is recommended that the load cell should incorporate the flat, solid, machined bearing plate and mounting plate to provide the highest accuracy.

- Hermetically sealed
- Robust high capacity design
- High rated output (3mV/V)

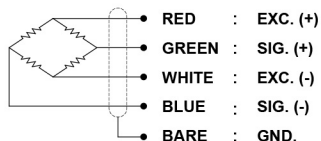
SPECIFICATIONS

ORDERING INFORMATION

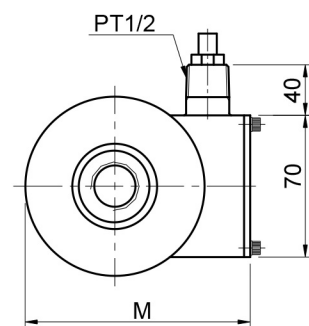
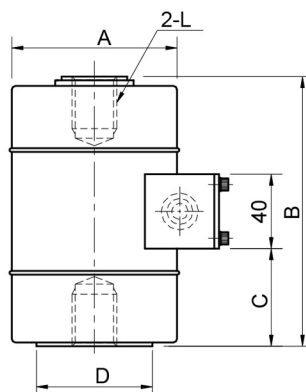
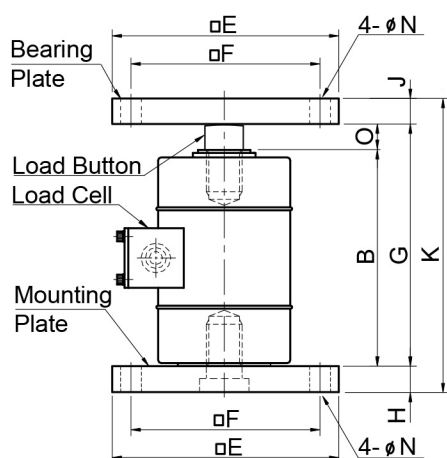
CLCC1 - 5T

TYPE	CAPACITY
CLCC1	200, 300, 500kg
CLCC2	1, 2, 3, 5, 10, 20t

WIRING INFORMATION



TYPE	CLCC1	CLCC2
Rated capacity (R.C.)	200, 300, 500kg, 1, 2, 3, 5, 10, 20ton	
Rated output(R.O.)	3.0mV/V – 0.1%	3.0mV/V – 0.2%
Non-linearity	≤0.05% R.O.	≤0.1% R.O.
Hysteresis	≤0.02% R.O.	≤0.1% R.O.
Non-repeatability	≤0.02% R.O.	≤0.1% R.O.
Creep error	≤0.02% in 20min.	≤0.1% in 20min.
Zero balance	≤1% R.O.	
Compensated temperature range	-10 ~ 70°C	
Operating temperature range	-20 ~ 80°C	
Temp. effect on rated output	≤0.03% LOAD/10°C	≤0.05% LOAD/10°C
Temp. effect on zero balance	≤0.03% R.O./10°C	≤0.05% R.O./10°C
Terminal input resistance	350 Ohms – 3.5 Ohms	
Terminal output resistance	350 Ohms – 5 Ohms	
Insulation resistance (Min.)	5000 MOhms at 50V DC	2000 MOhms at 50V DC
Excitation voltage	10V(Recommended), 15V(Max.)	
Electrical connection	9mmx5m(22AWG x 4Core Shielded)	
Protection class	meets IP 67	
Safe overload	150% R.C	
Ultimate overload	300% R.C	



DIMENSIONS-mm

Rated Capacity	A	B	C	D	E	F	G	H	J	K	L	M	N	O	Bearing Plate	Mounting Plate	Load Button	Weight(kg)
200~300kg (1961N ~ 2942N)	88	110	33	34	100	78	119	15	15	149	M12 x 1.25 Depth 13	112	8	9	BPCLCC1	MPCLCC1	LPCLCC1	2.8
500kg~ 1t (4903N ~ 9807N)	88	106					115			145								
2~5t (19.61kN ~ 49.03kN)	88	145	52.5	66	130	106	161	24	24	209	M24 x 2 Depth 30	112	12	16	BPCLCC2	MPCLCC2	LPCLCC2	4.5
10t (98.07kN)	138	210	70	80	160	126	230	30	30	290	M39 x 2 Depth 50	171	14	20	BPCLCC3	MPCLCC3	LPCLCC3	12.5
20t (196.1kN)	164	283	120	120	200	150	303	30	30	363	M50 x 2 Depth 65	199	14	20	BPCLCC4	MPCLCC4	LPCLCC4	27.4

* Specifications are subject to change without notice

WZO CONTROLS LTD