

HLCB1

BEAM TYPE LOAD CELL



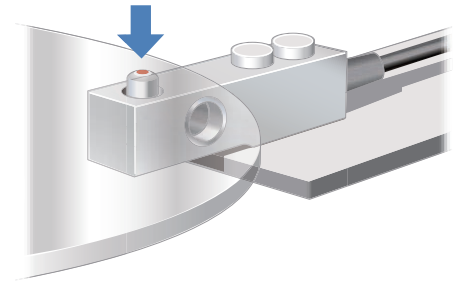
IP68

- Hermetically sealed

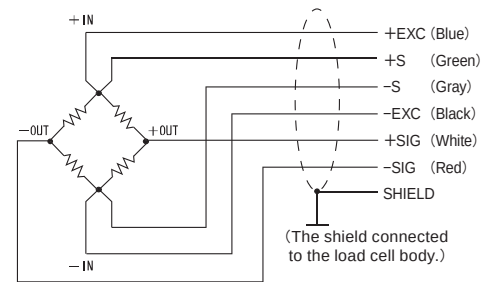
Specifications

Model	HLCB1-220KG, HLCB1-550KG, HLCB1-1100KG, HLCB1-1760KG		HLCB1-2T	HLCB1-4.4T	
Rated capacity	220kg, 550kg, 1100kg, 1760kg		2t	4.4t	
Rated output	1.94±0.5%		2.00±0.1%	1.94±0.1%	mV/V
Safe overload	150				%R.C.
Maximum safe overload	300				%R.C.
Maximum safe side overload	100				%R.C.
Zero balance	±5.2	±0.5	—		%R.O.
Non-linearity	0.04	0.0170			%R.O.
Hysteresis	0.04	0.0170			%R.O.
Creep	0.04	0.0166			%R.O./30min
Compensated temperature range	-10 to +40				°C
Temperature effect on zero	0.04	0.0140			%R.O./10°C
Temperature effect on span	0.04	0.0140			%R.O./10°C
Input resistance	350 or more			350 to 490	Ω
Output resistance	350±0.12			350±2	Ω
Maximum excitation voltage	15				V(AC,DC)
Insulation resistance	5000 or more				MΩ
Cable	6-conductor color shield cable 3m (220 to 1760kg) 6m (2t,4.4t)				
Load cell material	Stainless steel				

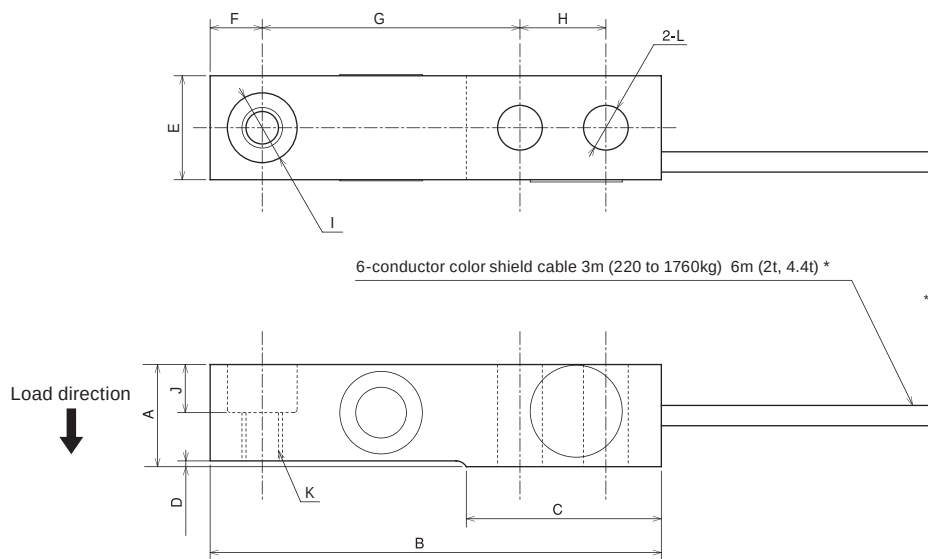
- Application Example



- Wiring Diagram



External dimension



Unit: mm

Model	Weight	A	B	C	D	E	F	G	H	φ I	J	K	φ L
HLCB1-220KG	0.9kg	30.2	133.4	57.7	1.7	30.7	15.4	76.2	25.4	20.6	14.2	M12	13
HLCB1-550KG				51.7									
HLCB1-1100KG				51.7									
HLCB1-1760KG	1.8kg	36.51	171.5	76.2	2.54	36.78	19.1	95.25	38.1	30.22	16.99	M20	20.5
HLCB1-2T	2.2kg	42.9											
HLCB1-4.4T													