

Model CCDH/CCDHS Series

Compression Load Cell (10t ~ 500t)
Canister Type

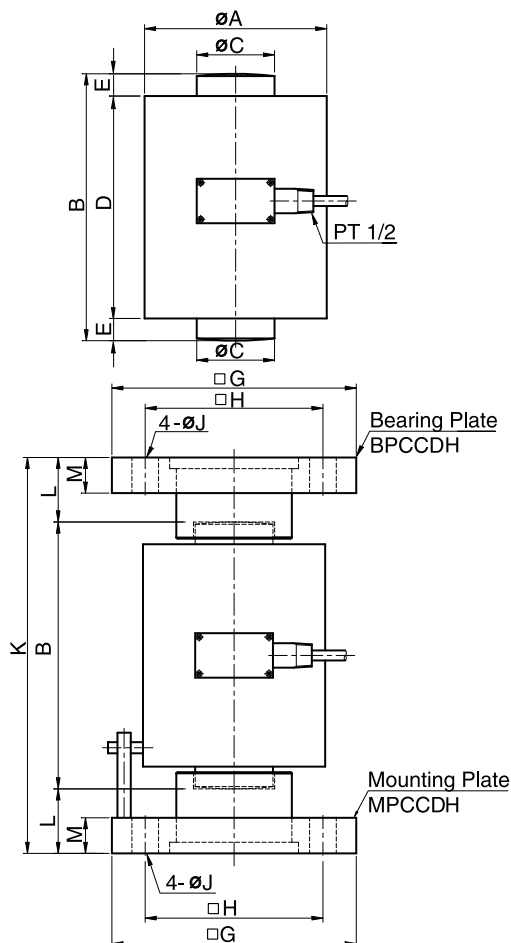
The CCDH/CCDHS series are designed for heavy duty weighing applications, including hoppers, tanks, silos and high capacity scales.



- Insensitive to side load
- Double convex type
- Robust high capacity design
- High alloy steel or 17-4PH stainless steel construction

SPECIFICATIONS

MODEL	CCDH (Alloy steel)	CCDHS (Stainless Steel)
Rated capacity (R.C.)	10, 20, 30t	50, 100, 200, 300, 500t
Rated output(R.O.)	1.5mV/V ± 0.5%	
Non-linearity	≤0.05% R.O.	≤0.1% R.O.
Hysteresis	≤0.05% R.O.	≤0.1% R.O.
Non-repeatability	≤0.05% R.O.	
Creep error	≤0.05% 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	
Temp. effect on zero balance	≤0.03% R.O./10°C	
Terminal input resistance	350 Ohms ± 3.5 Ohms	
Terminal output resistance	350 Ohms ± 5 Ohms	
Insulation resistance (Min.)	2000 MOhms at 50V DC	
Excitation voltage	10V(Recommended), 15V(Max.)	
Electrical connection	ø7mm x 6m(22AWG x Core Shielded)	
Protection class	meets IP 67 / IP 68(CCDHS)	
Safe overload	150% R.C	
Ultimate overload	300% R.C	



Dimensions-mm

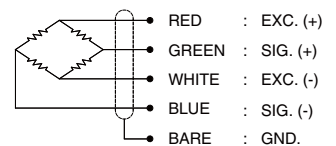
Rated Capacity	A	B	C	D	E	F	G	H	J	K	L	M	Bearing Plate	Mounting Plate	Weight (kg)
10t (98.07kN)	88	120	28	90	15	116	140	100	18	180	30	19	BPCCDH1	MPCCDH1	7.8
20t (196.1kN)	88	120	33	90	15	116	140	100	18	190	35	22	BPCCDH2	MPCCDH2	9.6
30t (294.2kN)	112	140	40	110	15	140	200	150	23	220	40	25	BPCCDH3	MPCCDH3	20.2
50t (490.3kN)	138	180	50	140	20	166	200	150	23	280	50	25	BPCCDH4	MPCCDH4	24.5
100t (980.7kN)	164	240	70	200	20	192	220	160	27	356	58	32	BPCCDH5	MPCCDH5	42.7
200t (1961kN)	215	260	100	210	25	243	280	220	39	396	68	40	BPCCDH6	MPCCDH6	86.4
300t (2942kN)	215	340	120	290	25	243	300	220	45	492	76	50	BPCCDH7	MPCCDH7	130.0
500t (4903kN)	265	390	155	330	30	293	380	280	50	568	89	65	BPCCDH8	MPCCDH8	253.1

ORDERING INFORMATION

CCDH - 10T

MODEL	CAPACITY
CCDH	10, 20, 30, 50, 100,
CCDHS	200, 300, 500 ton

WIRING INFORMATION



* Specifications are subject to change without notice

APR, 2013