

## Model CCDH/CCDHS Series

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

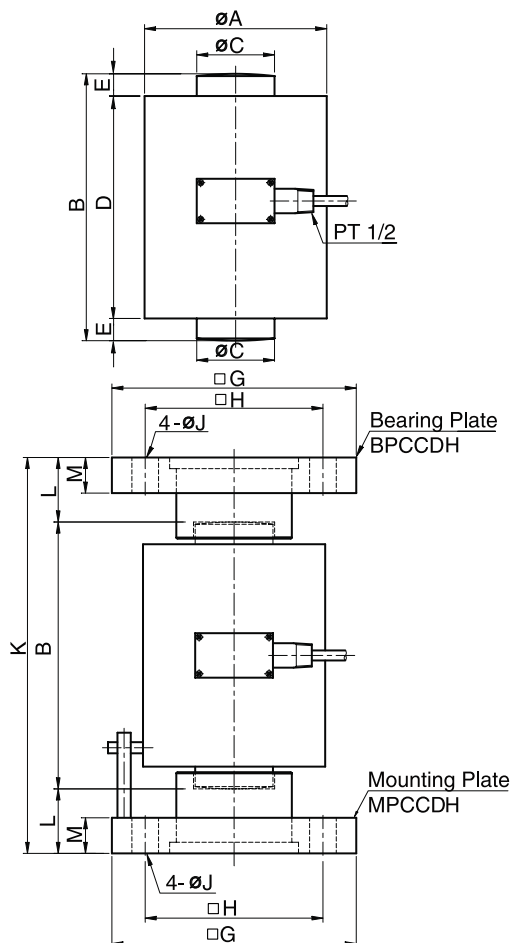
The CCDH/CCDHS series are designed for heavy duty weighing applications, including hoppers, tanks, silos and high capacity scales.



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

### SPECIFICATIONS

MODEL	CCDH	CCDHS
Rated capacity (R.C.)	10, 20, 30, 50, 100, 200, 300, 500t	
Rated output(R.O.)	1.5mV/V ± 0.5%	
Load cell material	Painted alloy steel	17-4PH Stainless Steel
Non-linearity	≤0.1% R.O.	
Hysteresis	≤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	Ø9mmx5m(22AWG x 4Core Shielded)	
Protection class	meets IP 67	
Safe overload	150% R.C	
Ultimate overload	300% R.C	



### Dimensions-mm

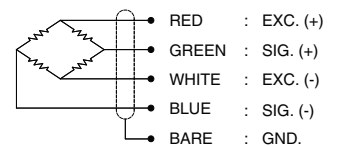
Rated Capacity	A	B	C	D	E	F	G	H	J	K	L	M	Bearing Plate	Mounting Plate	Weight (kg)
10t ( 98.07kN )	88	120	22	90	15	116	140	100	18	180	30	19	BPCCDH1	MPCCDH1	7.8
20t ( 196.1kN )	88	120	33	90	15	116	140	100	18	190	35	22	BPCCDH2	MPCCDH2	9.6
30t ( 294.2kN )	112	140	40	110	15	140	200	150	23	220	40	25	BPCCDH3	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

JAN, 2010