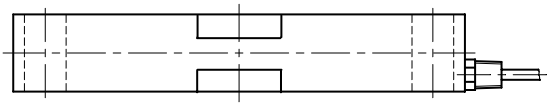
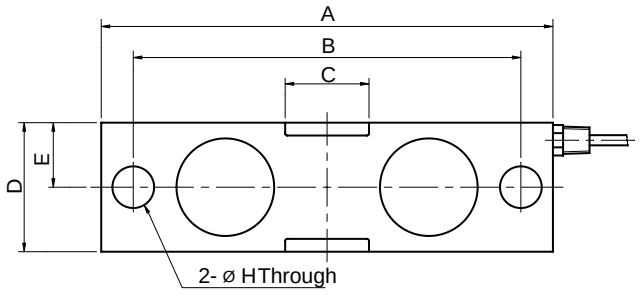
Model CDBH Series

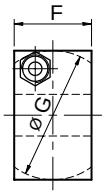
Double Ended
Shear Beam Load Cell (5t~ 25t)

The CDBH series double ended shear beam load cell is designed for high accuracy hopper, tank scales and a variety of process weighing applications.

- Alloy tool steel construction for high accuracy
- Electroless nickel plated for corrosion resistance
- Fully sealded to IP67







SPECIFICATIONS

MODEL		CDBH
Rated capacity (R.C.)		5, 10, 15, 25t
		10, 20, 30,50Klb
Rated output(R.O.)		3mV/V ± 0.25%
Non-linearity		≤ 0.03% R.O.
Hysteresis		≤ 0.03% R.O.
Non-repeatability		≤ 0.03% R.O.
Creep error		≤ 0.03% in 20min.
Zero balance		≤ 1% R.O.
Compensated temperature range		-10 ~ 70˚C
Operating temperature range		-20 ~ 80˚C
Temp. effect on rated output		≤ 0.02% LOAD/10˚C
Temp. effect on zero balance		≤ 0.03% R.O./10˚C
Terminal input resistance		700 Ohms ±10 Ohms
Terminal output resistance		700 Ohms ±7 Ohms
Insulation resistance (Min.)		2000 MOhms at 50V DC
Excitation Voltage		10V(Recommended) /15V(Maximum)
Electrial connection	5 ~15t	ø5mmx6m(22AWG x 4Core Shielded)
	25t	ø9mmx10m(22AWG x 4Core Shielded)
Protection class		meets IP 67
Safe overload		150% R.C
Ultimate overload		300% R.C

ORDERING INFORMA TION

CDBH - 5T

MODEL — CAPACITY: 5, 10, 15, 25t / 10, 20, 30, 50Klb

WIRING INFORMA TION

RED : EXC. (+) WHITE : EXC. (-)
GREEN : SIG. (+) BLUE : SIG. (-)
BARE : GND

Dimension-mm(inch)

Rated Capacity	A	B	C	D	E	F	G	H
5,10t (49.03, 98.07KN)	222	190.5	41.2	49.3	24.65	36.6	50.6	20.5
	(8.74)	(7.5)	(1.62)	(1.94)	(0.97)	(1.44)	(1.99)	(0.80)
15t (147.1KN)	222	190.5	41.2	63.5	31.75	38	63.5	20.5
	(8.74)	(7.5)	(1.62)	(1.94)	(1.25)	(1.50)	(2.5)	(0.80)
25t (245.2KN)	343	292.1	82.6	74.6	37.3	62	76	33
	(13.5)	(11.5)	(3.25)	(2.94)	(1.47)	(2.44)	(2.99)	(1.30)
10,20 Klb (44.48, 88.97KN)	222	190.5	41.2	49.3	24.65	36.6	50.6	20.5
	(8.74)	(7.5)	(1.62)	(1.94)	(0.97)	(1.44)	(1.99)	(0.80)
30 Klb (133.45KN)	222	190.5	41.2	63.5	31.75	38	63.5	20.5
	(8.74)	(7.5)	(1.62)	(1.94)	(1.25)	(1.50)	(2.5)	(0.80)
50 Klb (222.41KN)	343	292.1	82.6	74.6	37.3	62	76	33
	(13.5)	(11.5)	(3.25)	(2.94)	(1.47)	(2.44)	(2.99)	(1.30)

* Specifications are subject to change without notice

SEP.2000

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