HC-D | Digital Canister Load Cell

CE

Features

- Pressure type
- Hermetically sealed structure
- Built-in noise and surge protection circuit
- CE Approved
- Designed according to IP67

Application

- Hoppers, Silos, Tanks
- Compress equipment

Description

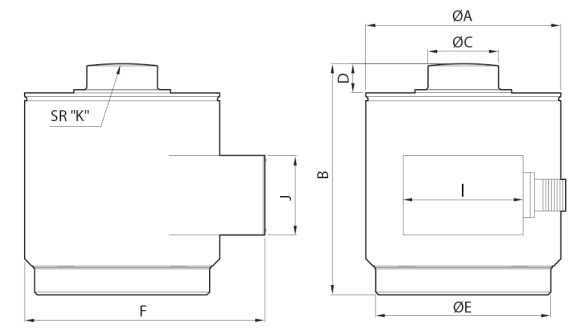
HC-D is a Canister type loadcell of steel material. It can not only be individually diagnosed with digital output but also enables easy loadcell replacement, problem detection, eccentricity compensation. Close structured compression type loadcell is suitable for rough industrial environment such as hopper, tank, silo scale, etc.

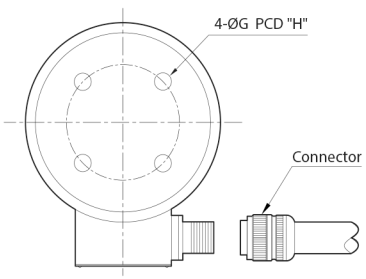
Specifications

Capacity(R.L.)		tf	20, 30, 50, 100, 200
Rated Output		counts	300,000
Zero Balance		counts	± 300
Non-Linearity Hysteresis Combined Error Repeatability Creep for 30min.		% R.O. % R.O. % R.O. % R.O. % R.O.	< 0.015 < 0.015 < 0.015 < 0.01 < 0.017
Temperature Effect on	- Zero Value - Output Value	% R.O./10℃ % R.O./10℃	0.014 0.011
Compensated Temperature Range		℃	-10 ~ +40
Operating Temperature Range		℃	-30 ~ +80
Excitation	- Minimum - Recommended - Maximum	V V V	6 9 24
Insulation		MΩ	≥ 2,000
Safety Overload		% R.C.	150
Material & Plate		-	Steel / Coating
Commutication Method		-	RS-485 (2wire)
Communication Speed		kbit/sec	19.2
Max Cable Length for Communication		m	1,000
Warm-up Time from Cold Start		minutes	15
Asynchronous Interface Baudrate		Baud	9,600 ~ 115,200
Number of bus addresses		-	Max. 32

Dimensions

▶ HC-D

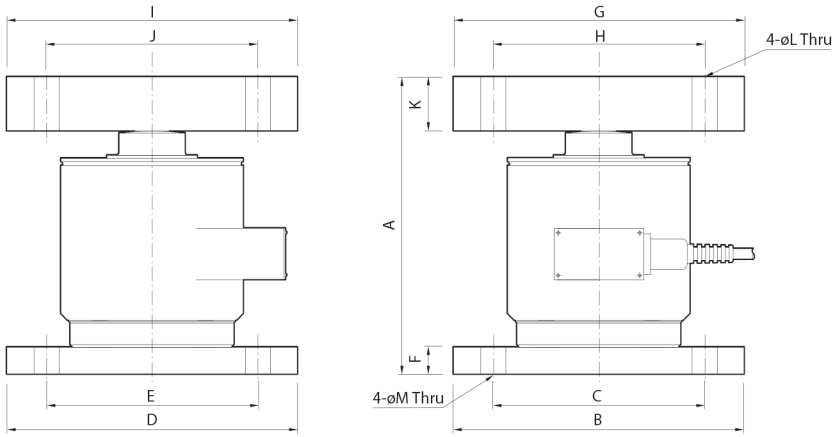




Capa.	A	B	C	D	E	F	G	H	I	J	Cable(m)
20~30tf	118	145	36	10	104	162.5	M12 x 1.75	80	85	55	10
50tf	138	160	50	20	124	182.5	M12 x 1.75	80			
100tf	158	190	70	20	144	202.5	M16 x 2	100			
200tf	214	230	95	30	188	261.5	M16 x 2	130			

Accessory Dimensions

▶ HC (Upper & lower plate)



Capa.	A	B	C	D	E	F	G	H	I	J	K	ØL	ØM
20~30tf	190	200	150	200	150	15	200	150	200	150	30	14	14
50tf	220	220	160	220	160	20	220	160	220	160	40	19	19
100tf	280	260	200	260	200	30	260	200	260	200	60	23	23
200tf	350	280	200	280	200	40	280	200	280	200	80	27	27