

CT-NR

Noise Resistance Canister Load Cell



Features

- ▶ Tension type
- ▶ Hermetically sealed structure
- ▶ Built-in noise and surge protection circuit
- ▶ CE Approval
- ▶ Designed according to IP67

Option

- ▶ Rod End Bearing Type Accessory

Description

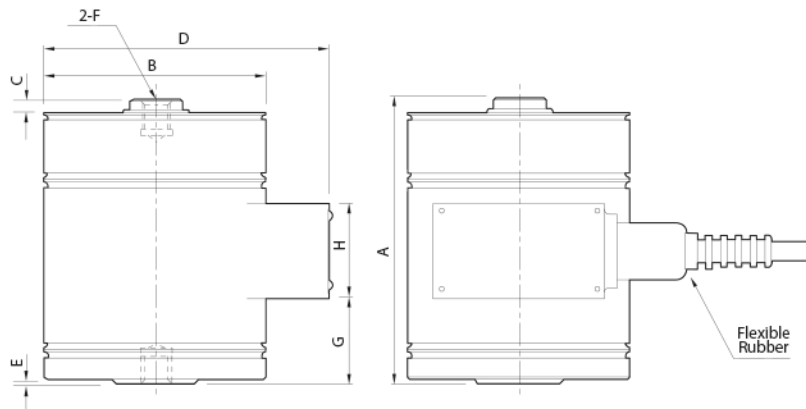
CT-NR is a canister type load cell of steel material with a strong electrical durability. Internal protection circuits provide protection against noise, surge, and lightning. Sealed tension type of load cell suitable for rough industrial environments such as hoppers and tanks and silo scale.

Specifications

Capacity(R.L.)		kgf	20, 50, 100, 200, 300, 500, 1K, 2K, 3K, 5K, 10K, 20K	
Rated Output		mV / V	3.0±0.003	
Zero Balance		mV / V	0.0±0.03	
Accuracy Class		-	A	B
Non-Linearity		% R.O.	≤ 0.02	≤ 0.05
Hysteresis		% R.O.	≤ 0.02	≤ 0.05
Combined Error		% R.O.	≤ 0.02	≤ 0.05
Repeatability		% R.O.	≤ 0.01	≤ 0.02
Creep for 30min.		% R.O.	≤ 0.03	≤ 0.03
Return for 30min.		% R.O.	≤ 0.03	≤ 0.03
Resolution		-	≤ 1/5000	≤ 1/2000
Division		mV / V	0.0006	0.0015
Temperature Effect on	- Zero Value	%/10°C	≤ 0.03	≤ 0.03
	- Output Value	%/10°C	≤ 0.03	≤ 0.03
Excitation	- Recommended	V	10	
	- Maximum	V	15	
Resistance	- Input	Ω	350 ± 3.5	
	- Output	Ω	350 ± 3.5	
	- Insulation	MΩ	≥ 500	
Compensated Temperature Range		°C	-10 to +40	
Operating Temperature Range		°C	-30 to +80	
Material & Plate		-	Steel / Coating	
Cable Specification		-	Ø8 x 4P x 5m / Ø8 x 4P x 10m (PVC)	
Safety Overload		% R.L.	150	
Electrical Character	- Over Voltage	V, %	75 AC/DC ±25%	
	- RS	MHz	80 ~ 1000MHz, 10V/m	
	- Surge	kV	±2	

Dimensions

▶ CT-NR



Capa.	A	ØB	C	D	E	F	G	H	Cable(m)
20~100kgf	115	89	6	115	1.5	M12 x 1.25	38.5	38	5
200kgf~1tf	115	89	5	115	1.5	M12 x 1.25	35		
2~5tf	148	89	6	115	1.6	M24 x 2	38.6		
10tf	215	127	12	159	1.6	M39 x 2	75.6		
20tf	290	165	16.2	199	1.6	M50 x 2	107.6		10