

CTS

Canister Load Cell



Description

CTS is a stainless steel canister type load cell. Sealed tension and pressure type of load cell suitable for rough industrial environments such as hoppers, silos, and tanks scale.

Specifications

Capacity(R.L.)	kgf	200, 500, 1K, 2K, 3K, 5K	
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
	-Output Value	%/10°C	≤ 0.03
Excitation	-Recommended	V	10
	-Maximum	V	15
Resistance	-Input	Ω	350 ± 3.5
	-Output	Ω	350 ± 3.5
	-Insulation	MΩ	> 2000
Compensated Temperature Range	°C	-10 to +40	
Operating Temperature Range	°C	-30 to +80	
Material & Plate	-	Stainless Steel	
Cable Specification	-	Ø8 x 4P x 5m (PVC)	
Safety Overload	% R.L.	150	

Features

- ▶ Tension type
- ▶ Stainless Steel Material
- ▶ Hermetically sealed structure
- ▶ Designed according to IP68

Option

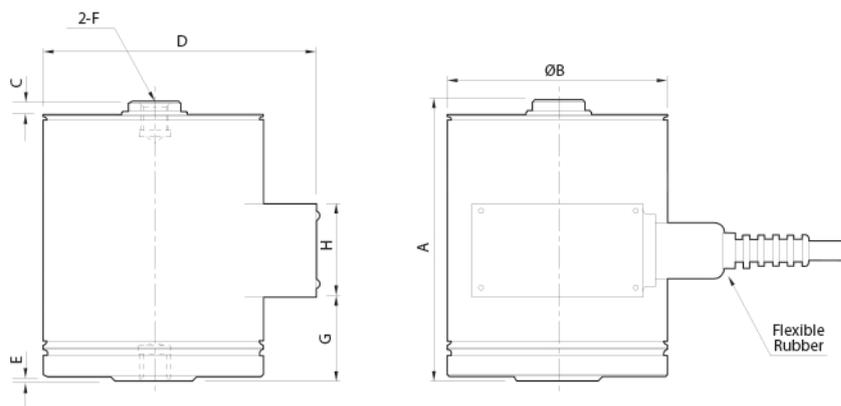
- ▶ Intrinsic safety explosion (Ex ia IIC T4, 500kgf~5tf)
- ▶ Explosion proof (Ex d IIC T4, 200kgf~5tf)
- ▶ Dust explosion (Ex tD A21 T135 °C IP66, 200kgf~5tf)
- ▶ Rod End Bearing Type Accessory (500 kgf: M12 x 1.75) (1 to 2 tf: M18 x 1.5)
- ▶ Ball type Accessory
- ▶ Load Button type Accessory

Application

- ▶ Hoppers, Tanks

Dimensions

▶ CTS



Capa.	A	B	C	D	E	F	G	H	Cable(m)
200kgf~1tf	115	89	5	115	1.5	M12 x 1.25	35	38	5
2~5tf	148	88	4	115	1.6	M24 x 2	55	38	