

# CTS-EXP | Explosion Proof Canister Load Cell



## DESCRIPTION

The CTS-EXP is a stainless steel canister type Load Cell of an explosion proof version. It is fully welded and ideally suitable for process weighing such as tank and hopper scales in a hazardous area.

## SPECIFICATION

Capacity(R.L.)		kgf	500, 1K, 2K, 3K, 5K	
Rated output (R.O.)		mV / V	3.0 ± 0.003	
Zero balance		mV / V	0.0 ± 0.03	
Accuracy Class		-	D3	C3
Non-linearity		% R.O.	≤ 0.05	≤ 0.02
Hysteresis		% R.O.	≤ 0.05	≤ 0.02
Combined Error		% R.O.	≤ 0.05	≤ 0.02
Repeatability		% R.O.	≤ 0.02	≤ 0.01
Creep for 30min		% R.O.	≤ 0.03	≤ 0.03
Return for 30min		% R.O.	≤ 0.03	≤ 0.03
Resolution		-	≤ 1/2000	≤ 1/5000
Division		mV / V	0.0015	0.0006
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	2000	
Comensated Temperature Range		°C	-10 to +40	
Operating Temperature Range		°C	-30 to +80	
Material & Plate		-	Stainless steel, Buffing	
Cable specification		-	Ø8 x 4P x 5M (Urethane-Gray)	
Safety overload		% R.L.	150%	
Platform size		mm	-	

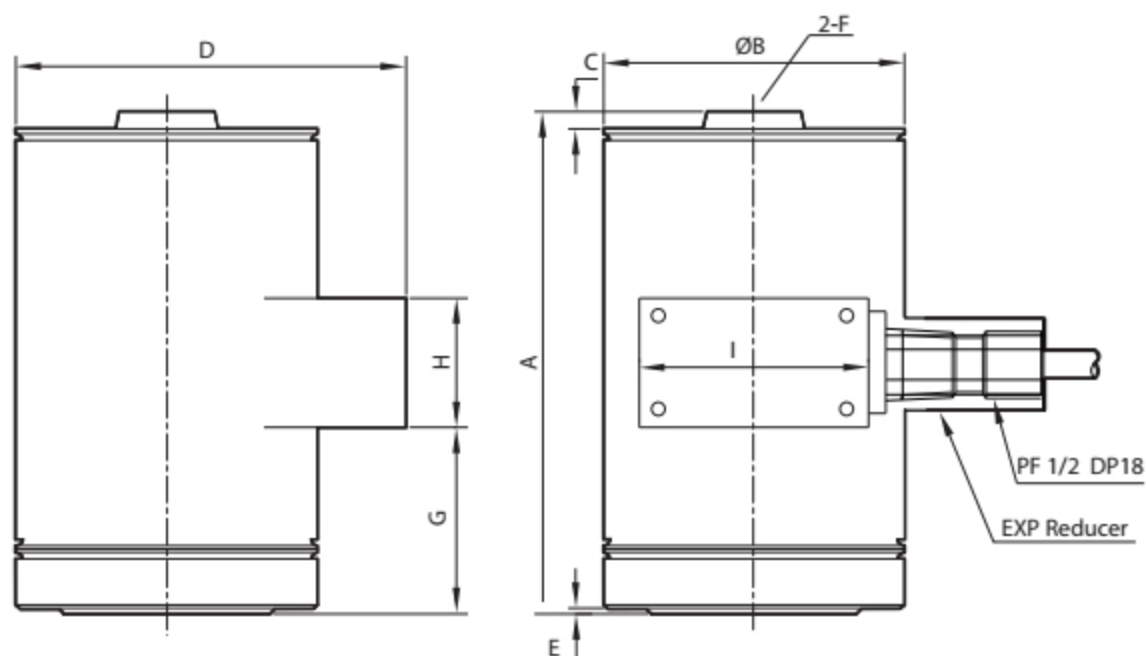
## Features

- ▶ Stainless steel construction
- ▶ Fully welded construction
- ▶ Tension Load Cell
- ▶ High accuracy
- ▶ Ex ia IIC T4 - KCS hazardous area approval

## Options

- ▶ Rod End Accessory(200kg~1K : M12 x 1.25)
- ▶ Rod End Accessory(2~5K : M24 x 2.0)

## DIMENSION



## Applications

- ▶ Hopper scales
- ▶ Tank scales
- ▶ Material testing machines

Capa.	A	B	C	D	E	F	ØG	H	I
500kgf	115	89	5	115	1.5	M12 x 1.25	35	38	68
1tf									
2tf	148	89	9	115	1	M24 x 2.0	55	38	68
3tf									
5tf									