



### Description

HBS-EXP is a stainless steel Single ended beam type load cell. Designed with a blast-proof structure, it is suitable for various use environments such as explosion-resistant platforms, hoppers, and tank scale.

### Specifications

Capacity(R.L.)	kgf	10, 20, 50, 100, 200, 250, 500	
Rated Output	mV / V	2.0 ± 0.005	
Zero Balance	mV / V	0.0 ± 0.02	
Accuracy Class	-	A	B
Non-Linearity	% R.O.	≤ 0.02	≤ 0.03
Hysteresis	% R.O.	≤ 0.02	≤ 0.03
Combined Error	% R.O.	≤ 0.02	≤ 0.03
Repeatability	% R.O.	≤ 0.01	≤ 0.01
Creep for 30min.	% R.O.	≤ 0.017	≤ 0.03
Return for 30min.	% R.O.	≤ 0.017	≤ 0.03
Resolution	-	≤ 1/5000	≤ 1/3000
Division	mV / V	0.0004	0.00067
Temperature Effect on	-Zero Value	%/10°C	≤ 0.014
	-Output Value	%/10°C	≤ 0.011
Excitation	-Recommended	V	10
	-Maximum	V	28
Resistance	-Input	Ω	400 ± 20
	-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	-	Ø5 x 4P x 3m (Urethane)	
Safety Overload	% R.L.	150	

### Features

- ▶ Pressure type
- ▶ SUS type
- ▶ Hermetically sealed structure
- ▶ Essential safety explosion certificate (Ex ia IIC T4)
- ▶ Designed according to IP67

### Option

- ▶ Ball type Accessory (250kgf~2tf, 5tf, 10tf)
- ▶ HBS-EXP/Essential safety explosion certificate (Ex ia IIC T4) 10~500kgf

### Application

- ▶ Platform Scale
- ▶ Tank, Hopper Scale

### Dimensions

- ▶ Intrinsic Safety

