

# BCD-EXP

Explosion Proof  
Single Point Load Cell



## Description

BCD-EXP is a single point type load cell of aluminum material. It is suitable for large sized Ex-proof scale in Explosive Hazardous Area.

## Specifications

Capacity(R.L.)	kgf	75, 100, 150, 250, 300, 500	
Rated Output	mV / V	2.0 ± 0.2	
Zero Balance	mV / V	0.0 ± 0.1	
Accuracy Class	-	-	
Non-Linearity	% R.O.	≤ 0.03	
Hysteresis	% R.O.	≤ 0.03	
Combined Error	% R.O.	≤ 0.03	
Repeatability	% R.O.	≤ 0.01	
Creep for 30min.	% R.O.	≤ 0.03	
Return for 30min.	% R.O.	≤ 0.03	
Resolution	-	≤ 1/3000	
Division	mV / V	0.00067	
Temperature Effect on	-Zero Value -Output Value	%/10°C %/10°C	≤ 0.028 ≤ 0.014
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	-	Aluminum	
Cable Specification	-	Ø5 x 4P x 3m (Urethane)	
Safety Overload	% R.L.	150%	
Platform Size	mm	400 x 600	

## Features

- ▶ Pressure type
- ▶ Explosion-proof Structure
- ▶ Designed according to IP65

## Option

- ▶ BCD-EXP (Ex ia IIC T4 Approved 75kgf-500kgf)

## Application

- ▶ Bench Scale
- ▶ Belt Scale
- ▶ Platform Scale

## Dimensions

- ▶ Intrinsic Safety

