

BCA-EXP

Explosion Proof
Single Point Load Cell



Description

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

Specifications

Capacity(R.L.)	kgf	5, 6, 10, 15, 20, 30, 50, 60, 75, 100	
Rated Output	mV / V	2.0 ± 0.2	
Zero Balance	mV / V	0.0 ± 0.1	
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 -Output Value	%/10°C %/10°C	≤ 0.014 ≤ 0.011
Excitation	-Recommended -Maximum	V V	10 28
Resistance	-Input	Ω	420 ± 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 1.5m (Urethane)	
Safety Overload	% R.L.	150%	
Platform Size	mm	400 x 400	

Features

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

Option

- ▶ BCA-EXP (Ex ia IIC T4 Approved)

Application

- ▶ Bench Scale
- ▶ Counting Scale
- ▶ Platform Scale

Dimensions

- ▶ Intrinsic Safety

