

BENDING BEAM LOAD CELLS

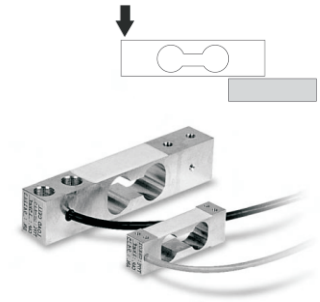
Model LCB, LCBA

This strain gage load cell has developed newly as a electronic "Scale" for commercial purpose, with the characteristics of high accuracy and low price.

Compared with another mechanical means, this load cell provides small displacement.

Due to electronic output, it is easy to treat various treatment.

Protection Class IP65



SPECIFICATIONS

Specifications	Accuracy		
Rated capacity(R.C.)	150gf, 300gf, 600gf	1, 2, 3kgf	5, 10, 15, 30, 50kgf
Rated output(R.O.)	1.2mV/V $\pm$ 1%	1mV/V $\pm$ 1%	1.5mV/V $\pm$ 1%
Nonlinearity	0.02% R.O.	0.02% R.O.	0.02% R.O.
Hysteresis	0.02% R.O.	0.02% R.O.	0.02% R.O.
Repeatability	0.02% R.O.	0.02% R.O.	0.02% R.O.
Creep	0.03% R.O./20MIN	0.03% R.O./20MIN	0.02% R.O./20MIN
Zero balance	$\pm$ 5% R.O.	$\pm$ 5% R.O.	$\pm$ 5% R.O.
Terminal resistance input	420 $\pm$ 30 Ω	420 $\pm$ 30 Ω	420 $\pm$ 30 Ω
Terminal resistance output	350 $\pm$ 2 Ω	350 $\pm$ 2 Ω	350 $\pm$ 2 Ω
Insulation resistance	2000M Ω	2000M Ω	2000M Ω
Temperature range, compensated	0 $\sim$ +40 $^{\circ}$ C	-10 $\sim$ +50 $^{\circ}$ C	-10 $\sim$ +50 $^{\circ}$ C
Temperature range, safet	-10 $\sim$ +50 $^{\circ}$ C	-10 $\sim$ +50 $^{\circ}$ C	-10 $\sim$ +50 $^{\circ}$ C
Temperature effect, on zero balance	0.03% R.O./10 $^{\circ}$ C	0.03% R.O./10 $^{\circ}$ C	0.03% R.O./10 $^{\circ}$ C
Temperature effect, on rated output	0.02% LOAD/10 $^{\circ}$ C	0.02% LOAD/10 $^{\circ}$ C	0.02% LOAD/10 $^{\circ}$ C
Excitation recommended	10V	10V	10V
Safe overload	150% R.C.	150% R.C.	150% R.C.
Cable length	$\varnothing$ 3,CORE SHIELD CABLE, 1.5m	$\varnothing$ 3, CORE SHIELD CABLE, 1.5m	$\varnothing$ 5, CORE SHIELD CABLE 1.5m
Allowable maximum Platform size	$\varnothing$ 80	200 X 200mm	300 X 300mm
Weight	200g	300g	400g
Wiring Information	EXC+ : RED, EXC- : White, SIG+ : Black, SIG- : Green		

DIMENSIONS TABLE

unit:mm

