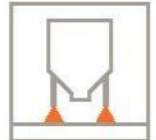
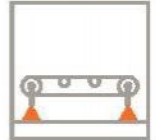
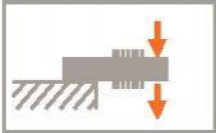


Type BB

20kg-50kg-100kg-200kg

Bending Beam Load Cell

Stainless Steel



Features

Stainless Steel

Easy-to-mount

Certified to OIML R60 standards

IP68 industrial protection

Hermetic-sealed strain gauge area



The BB bending beam load cell has been developed for use in electronic weight and force measurement applications under industrial conditions.

They are mostly used in low capacity applications such as tank weighing systems, platform scales, bagging and batching machines, and conveyor belt scales. A good level of sealing is achieved by a bellow covering the strain gauge area on the stainless steel body of the load cell.

Type	Capacity	Minimum Division	Max. Safe Overload
BB 20	20 kg	1.3 g	30 kg
BB 50	50 kg	3.3 g	75 kg
BB 100	100 kg	6.7 g	150 kg
BB 200	200 kg	13.3 g	300 kg

BB Mounting Kits

BB-ALT	Lower plate
BB-EL	Elastomer mounting kit page 56
BB-HA	Hanging type mounting kit page 57
BB-HH	Tension type mounting kit page 58

Technical Specifications

Maximum capacities (E_{max})	kg	20, 50, 100, 200
Accuracy class (OIML R 60)		C1 C3
Max. number of verification intervals (n_{LC})		1000 3000
Min. verification interval (V_{min})		$E_{max}/5000$ $E_{max}/15000$
Combined error	%	0 0
Zero return error (DR)	% E_{max}	0.004
Minimum load	% E_{max}	0
Maximum safe overload	% E_{max}	150
Maximum safe sideload	% E_{max}	100
Ultimate load	% E_{max}	200
Stretching (for E_{max})	mm	0
Maximum excitation voltage (U_{max})	V	15
Rated output (C_n)	mV/V	2 0
Zero balance	% C_n	0
Input resistance	Ω	385 0
Output resistance	Ω	350 3
Insulation resistance	M Ω	0
Compensated temperature range	$^{\circ}$ C	-10...+40
Operating temperature range	$^{\circ}$ C	-40...+80
Load cell material		Stainless Steel
Sealing (EN60529)		IP68
Cable length	m	5
Cable outer calibre	mm	5
Weight	kg	0.6
Package dimensions / weight	cm / kg	10x27x6 / 0.7

Dimensions

(All dimensions are expressed in millimeters)

Wiring diagram is on page 10.

