

Load Cell LCB150

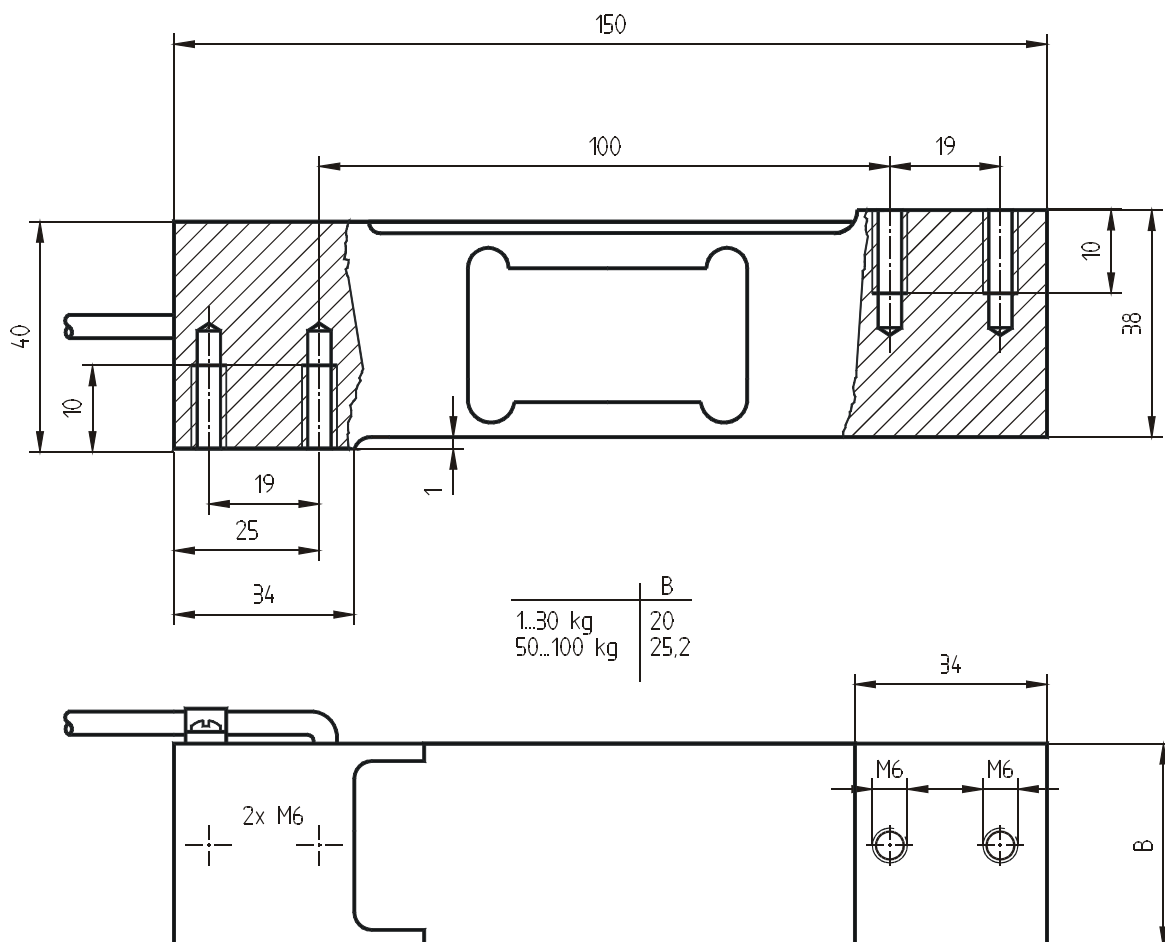
Nominal load ranges (compression) 1kg, 5kg, 10kg, 20kg, 30kg, 50kg, 100kg

The load cell LCB130 is a load cell of high precision for use in weighing platforms. It allows the installation of a platform sized up to 400mm x 400mm. The error due to excentric load is less than 0.008% per 10mm excentricity.

The load cell LCB150 conforms to the stringent European requirements for use in trade approved scales. Environmental protection is according to IP 66.



Dimensions





Load Cell LCB150

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Technical Data

Load cell	compression
Construction	bending beam
Material	aluminum alloy
Accuracy classes	C1 (0.023%), C3 (0.02%)
Nominal loads (F _N)	1kg...100kg

Accuracy class accord. to OIML R60	C1	C3	
Maximum scale division value	1000	3000	
Combined error	< ±0.03	< ±0.020	% S _N
Creep error (30 min)	< ±0.05	< ±0.017	% S _N
Temperature coeff. of the zero signal	< ±0.01	< ±0.004	% F _N /10°C
Temperature coeff. of the nominal output	< ±0.03	< ±0.01	% S _N /10°C

Operating load	150	% F _N
Breaking load	300	% F _N

Nominal temperature range	-10...+40	°C
Operating temperature range	-30...+70	°C
Storage temperature range	-30...+70	°C

Nominal output (S _N)	2.0 ±10%	mV/V
Zero signal tolerance	±10	% F _N
Max. supply voltage	15	V
Input resistance	415 ±15	Ohm
Output resistance	350 ±3.5	Ohm
Insulation resistance	> 2 · 10 ⁹	Ohm
Connection, 6-conductor open	1	m

Pin Configuration

+Us	positive bridge supply	green
-Us	negative bridge supply	black
+UF	positive sensor wire	blue
-UF	negative sensor wire	brown
+UD	positive bridge output	red
-UD	negative bridge output	white