

Load cell LCB130

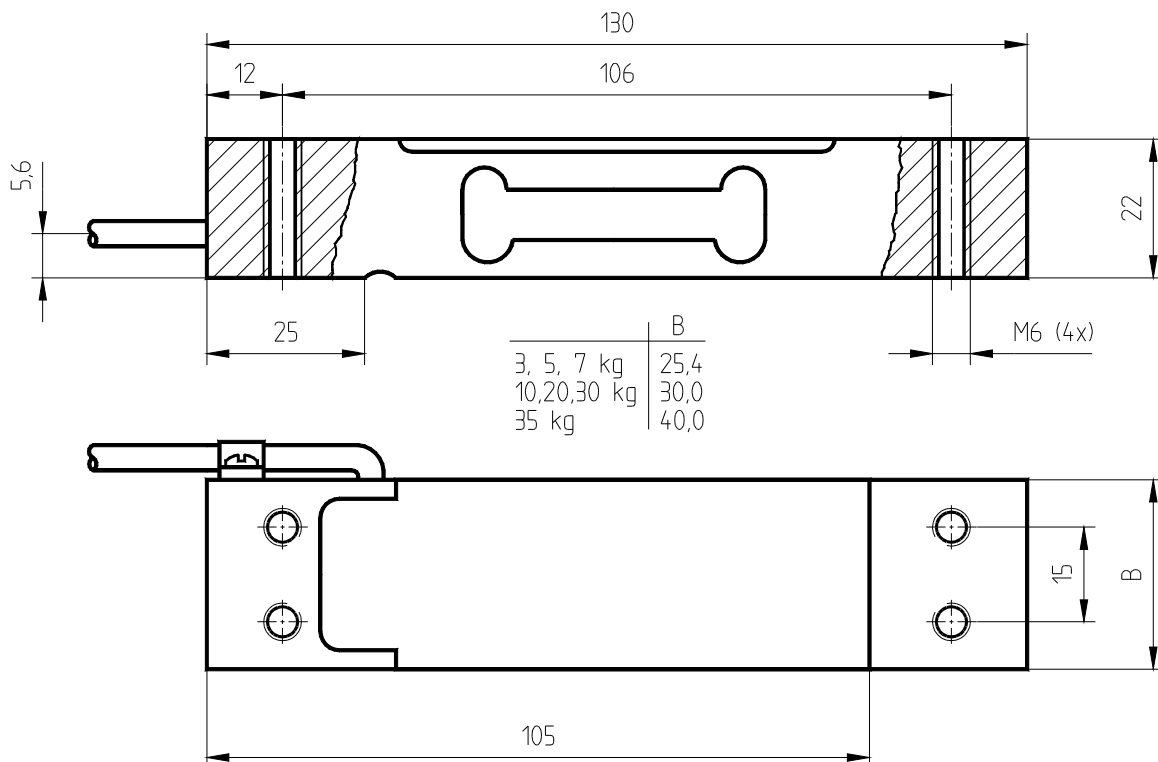
Nominal load ranges (compression) 3kg, 5kg, 10kg, 20kg, 30kg, 35kg

The load cell LCB130 is used in weighing platforms. It is particularly flat and allows the installation of a platform sized up to 350mm x 350mm.

The load cell LCB130 conforms to the stringent European requirements for use in trade approved scales. Environmental protection is according to IP 66.



Dimensions





Load cell LCB130

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Technical Data

Load cell Construction	Compression
Material	Bending beam
Accuracy classes	Aluminum alloy
Nominal loads (F _N)	C1 (0.023%), C3 (0.02%)
	3kg ... 35kg

Accuracy class accord. to OIML R60	C1	C3	
Maximum scale division value	1000	3000	
Minimum utilization range	30	30	% S _N
Combined error	< ±0.023	< ±0.020	% S _N
Creep error (30 min)	< ±0.025	< ±0.017	% S _N
Temperature coeff. of the zero signal	< ±0.060	< ±0.023	% F _N / 10°C
Temperature coeff. of the nominal output	< ±0.014	< ±0.010	% 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, 4 conductor	0.5	m

Pin configuration

+U _s	positive bridge supply	green
-U _s	negative bridge supply	black
+U _D	positive bridge output	red
-U _D	negative bridge output	white