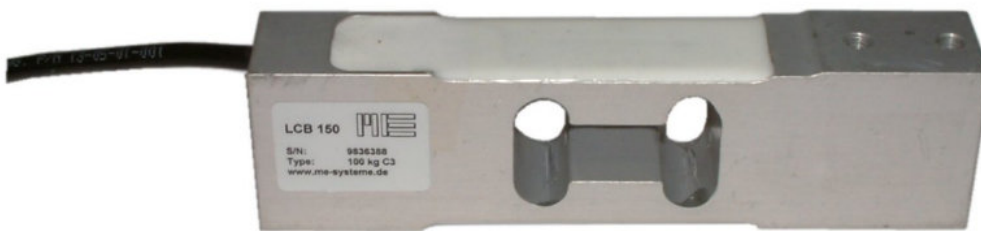
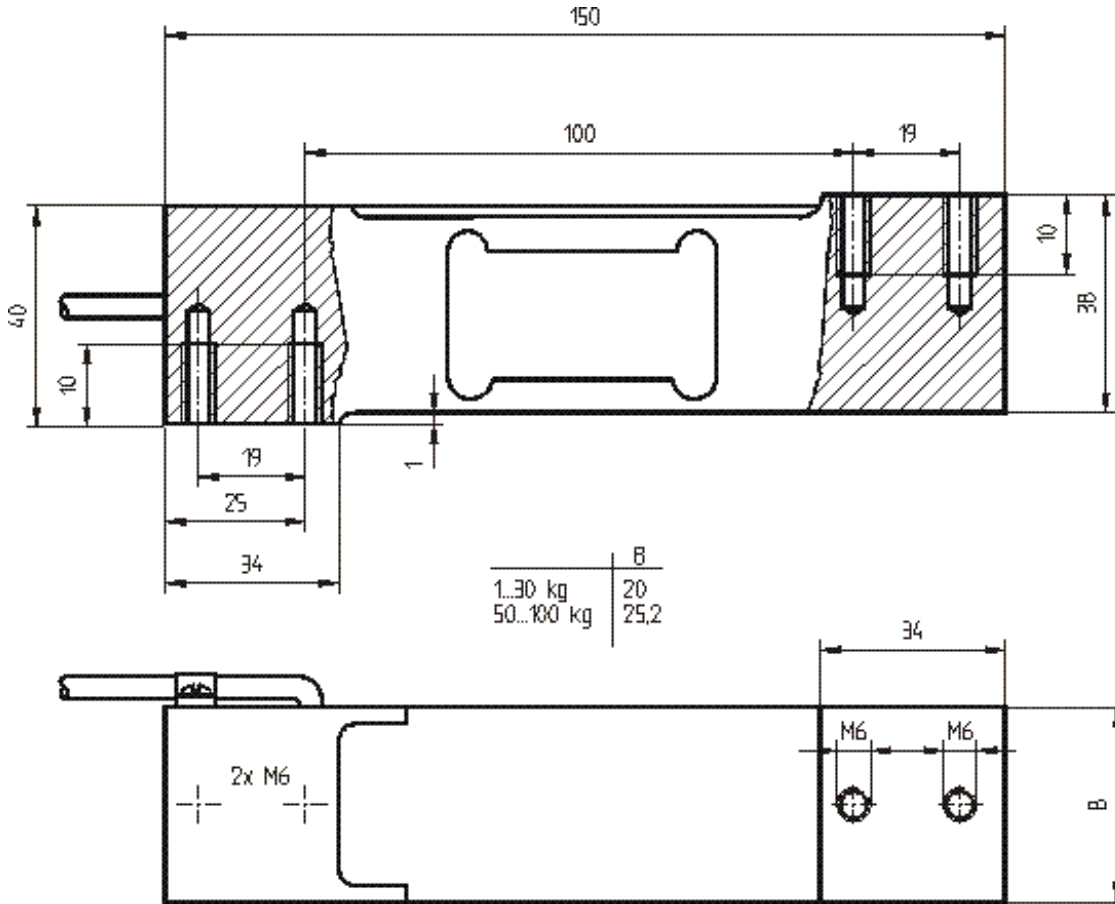


## LCB150 1kg, 5kg, 10kg, 20kg, 50kg, 100kg



### Description

## Dimensions





## Technical Data

### Kraftsensoren

Type	load cell
Force direction	Compression
Material	Aluminium alloy
Breaking force	300 %Fs

### Elektrische Daten

Input resistance	415 Ohm
Tolerance input resistance	15 Ohm
Output resistance	350 Ohm
Tolerance output resistance	3.5 Ohm
Insulation resistance	2 GOhm
Rated range of excitation voltage f	2.5 ... 5 V
Operating range of excitation voltage f	1 ... 10 V
Zero signal	10 %Fs
Rated output	2 mV/V
relative error of characteristic value	0.1 mV/V

### Precision

Accuracy class	0,02%
Temperature effect on zero signal	0.004 %Fs / 10°C
Temperature effect on characteristic value	0.01 %Rd / 10°C
Relative creep	0.017 %Rd

### Connection Data

Connection type	6 conductor open
Cable length	1 m

### Temperature






Rated temperature range f	-10 ... 40 °C
Operating temperature range f	-30 ... 70 °C
Storage temperature range f	-30 ... 70 °C
Environmental protection	IP66



## Pin Configuration

Symbol	Description	Wire colour
+Us	positive bridge supply	green
-Us	negative bridge supply	black
+Ud	positive bridge output	red
-Ud	negative bridge output	white
+Uf	positive sense lead	blue
-Uf	negative sense lead	brown

## accessories

Description	
	<b>GSV-15KL4</b> Junction box with measuring amplifier for sensors with strain gauges. Analogue output $\pm 10$ Volt and 4...20 mA configurable.
	<b>KL4 CG</b> clamping box for parallel connection of 4 sensors, dimensions: 175mm x 105mm x 60mm, 4xPG9, 7-pole
	<b>KL4 M12</b> clamping box for parallel connection of 4 sensors, dimensions: 175mm x 105mm x 60mm, 4xM12 female, 1xM12 male
	<b>GSV-1H</b> Measuring amplifier in top-hat rail housing for sensors with strain gauges. Analogue output -10V...+10V, limiting frequency 250Hz, 4 input sensitivities from 2.0mV/V.
	<b>GSV-6K</b> analog amplifier PCB for sensors with strain gauges. Analog output configurable; sampling frequency is 10Hz ... 25kHz, input sensitivity adjustable 0.1 mV / V ... 8 mV / V