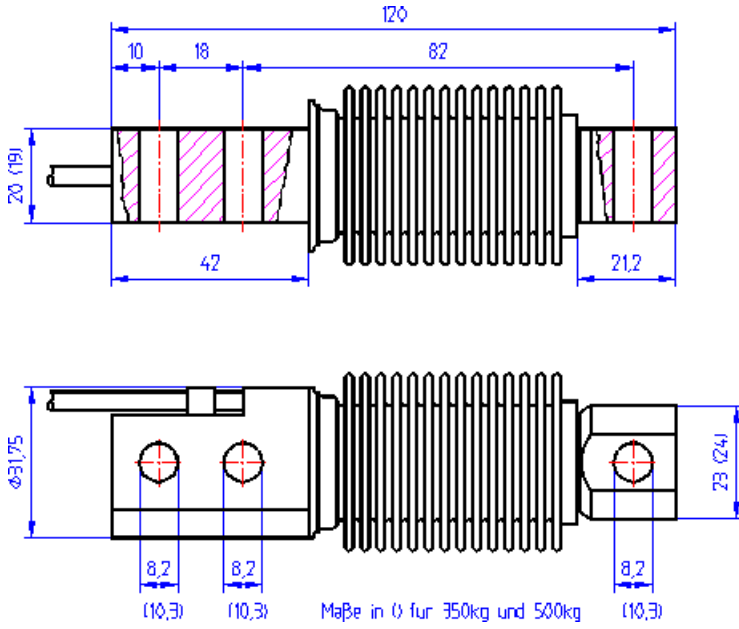


LCB120 10kg, 20kg, 50kg, 100kg, 200kg, 350kg, 500kg



Description

Dimensions



Technical Data

Electrical Data

Input resistance	460 Ohm
Tolerance input resistance	50 Ohm
Output resistance	350 Ohm
Tolerance output resistance	3.5 Ohm
Insulation resistance	5 GOhm
Rated range of excitation voltage f	2.5 ... 5 V
Operating range of excitation voltage f	1 ... 10 V
Zero signal	2 %Fs
Rated output	2 mV/V
relative error of characteristic value	0.02 mV/V

Precision

Accuracy class	0,02%
Temperature effect on zero signal	0.0047 %Fs / 5°C
Temperature effect on characteristic value	0.005 %Rd / 5°C
Relative creep	0.0245 %Rd

Connection Data

Connection type	4 conductor open
Cable length	3 m

Temperature

Rated temperature range f	-10 ... 40 °C
Operating temperature range f	-40 ... 80 °C
Storage temperature range f	-40 ... 90 °C
Environmental protection	IP66/68

Force sensor

Type	load cell
Force direction	Tension / Compression
Material	Stainless steel
Breaking force	300 %Fs








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

Shield- transparent.

accessories

Description Description	
	GSV-15KL4 Junction box with measuring amplifier for sensors with strain gauges. Analogue output ± 10 Volt and 4...20 mA configurable.
	KL4 CG clamping box for parallel connection of 4 sensors, dimensions: 175mm x 105mm x 60mm, 4xPG9, 7-pole
	KL4 M12 clamping box for parallel connection of 4 sensors, dimensions: 175mm x 105mm x 60mm, 4xM12 female, 1xM12 male
	GSV-1H 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.
	GSV-6K Analogue measuring amplifier in plug housing for sensors with strain gauges. Analogue output configurable, TEDS, sampling frequency 10Hz ... 25kHz, input sensitivity configurable 0.1mV/V ... 8mV/V