# SAUTER CATALOGUE 2020

# Digital length measuring device SAUTER LB





# Distance measurement directly in machines or sites with RS-232 interface

## Features

- Digital sliding calliper with a superior precision even at high operation speed
- Easy mounting to machine tools, conveyer, test stands etc.
- Zeroing, pre-added and pre-reduced length as well as switching the unit can be done manually
- · Data interface RS-232, standard
- Selectable measuring units: mm, inch

## Technical data

- Dimensions housing W×D×H 77×43×34 mm
- Battery operation, batteries standard (3 V CR2032)

# Accessories

- **RS-232/PC connection cable,** SAUTER LB-A01
- Mounting the length measuring device LB onto a SAUTER test stand at the factory, SAUTER LB-A02

STANDARI	D	OPTION			
	→0←				ISO
RS 232	ZERO	BATT	1 DAY	SOFTWARE	+4 DAYS

Model	Measuring range	Readout	Direction of measurement		Option Factory calibration certificate	
	[Max]	[d]				
SAUTER	mm	mm			KERN	
LB 200-2.	200	0,01	vertical		961-150	
LB 300-2.	300	0,01	vertical		961-150	
LB 500-2.	500	0,01	vertical		961-150	





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#### Pictograms



Adjusting program (CAL): For quick setting of the instrument's accuracy. External adjusting weight required.



**Calibration block:** 

standard for adjusting or correcting the measuring device.



Peak hold function: capturing a peak value within a measuring process.

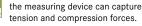


continuous capture and display of measurements



Push and Pull:

Scan mode:



#### Length measurement:

captures the geometric dimensions of a test object or the movement during a test process.



SCALE

Focus function:

increases the measuring accuracy of a device within a defined measuring range.



Internal memory:

to save measurements in the device memory.



# Data interface RS-232:

bidirectional, for connection of printer and PC.



# Data interface USB:

To connect the measuring instrument to a printer, PC or other peripheral devices.



#### WLAN data interface:

To transfer data from the balance to a printer, PC or other peripherals.



#### Data interface Infrared:

To transfer data from the measuring instrument to a printer, PC or other peripheral devices.

Your KERN specialist dealer:



Control outputs (optocoupler, digital I/O): to connect relays, signal lamps, valves, etc.



to connect a suitable peripheral device for ANAL OG analogue processing of the measurements



#### using the saved values, the device calculates STATISTIC statistical data, such as average value, standard deviation etc.



to transfer the measurement data from the device to a PC



a printer can be connected to the device to PRINT print out the measurement data.

#### Network interface: Ċ

For connecting the scale to an Ethernet LAN network.

KCP
PROTOCO

**KERN Communication Protocol (KCP):** It is a standardized interface command set for KERN balances and other instruments, which allows retrieving and controlling all relevant parameters and functions of the device. KERN devices featuring KCP are thus easily integrated with computers, industrial controllers and other



GLP/ISO record keeping:

of measurement data with date, time and serial PROTOCOL number. Only with SAUTER printers



#### Measuring units:

digital systems.

Weighing units can be switched to e.g. non-metric at the touch of a key. Please refer to website for more details.



## Measuring with tolerance range

(limit-setting function): Upper and lower limiting can be programmed individually. The process is supported by an audible or visual signal, see the relevant model





FAST-MOVE

# The mechanical movement is carried

out by a synchronous motor (stepper).



#### the total length of travel can be covered by a single lever movement.



#### DAkkS calibration possible:

The time required for DAkkS calibration is shown in days in the pictogram.



#### Factory calibration:

The time required for factory calibration is specified in the pictogram.



#### Package shipment:

1 DAY

#### The time required for internal shipping preparations is shown in days in the pictogram.



Pallet shipment: The time required for internal shipping

preparations is shown in days in the pictogram.

Motorised drive:

ZERO:

→N←

(IIII)

230 V

-6

SAUTER