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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

STANDARD)	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.



Scan mode: continuous capture and display of measurements



Push and Pull:

the measuring device can capture tension and compression forces.



Length measurement:

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



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.

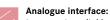


Data interface Infrared:

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



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



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



Statistics: using the saved values, the device calculates TATISTIC statistical data, such as average value, standard deviation etc.



PC Software: to transfer the measurement data from the device to a PC.



Printer:

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

GLP/ISO record keeping: GLP of measurement data with date, time and





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

serial number. Only with SAUTER printers

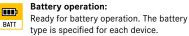


Measuring with tolerance range (limit-setting function): Upper and lower limiting can be programmed

individually. The process is supported by an audible or visual signal, see the relevant model

ZERO: +0+ ZERO

Resets the display to "0".



Rechargeable battery pack:

rechargeable set.

Mains adapter:



ACCU

- E
230 V

Power supply: Integrated, 230V/50Hz in EU. More standards e.g. GB, AUS or USA on request.

230V/50Hz in standard version for EU. On

request GB, AUS or USA version available.



Motorised drive:

The mechanical movement is carried out by a electric motor.



Motorised drive:

The mechanical movement is carried out by a synchronous motor (stepper).



Fast-Move:

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:

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.

Your KERN specialist dealer:



