Light measuring instrument SAUTER SO





## Light measuring instrument for precise light measurement up to 200,000 Lux

## Features

STANDARD

- · Measures illumination in the workplace
- Helps to determine whether a workstation has insufficient light or whether there is too much light
- · Photo sensor: silicon diode
- Cosine correction for angular incident light
- · Sturdy protective cover for the photo sensor
- · Increased service life: Impact protection by means of a protective casing
- II Delivery in a robust box
- · Track function for continuous recording of changing environmental conditions
- · Peak Hold Mode to capture peaks
- · Selectable measuring units: fc (foot-candle), lx

OPTION

## **Technical data**

- Measuring frequency: 2 Hz
- · Cable length (Photo sensor) approx. 1 m
- Dimensions W×D×H 100×60×28 mm
- Battery operation, battery not standard (9V Block), AUTO-OFF function for battery conservation
- Net weight approx. 250 g

PEAK BATT 1 DAY SIDDAYS			
Model	Measuring range	Readout	Option Factory calibration certificates
	[Max]	[d]	
SAUTER	lx	lx	KERN
	200	0,1	
SO 200K.	2000	1	961-190
	20000	10	
	200000	100	

# **SAUTER Pictograms:**



Adjusting program (CAL): For quick setting of the balance'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.

Scan mode:



**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 balance to a printer, PC or other peripheral devices.



## Data interface Infrared:

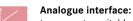
To transfer data from the balance to a printer, PC or other peripheral devices.

Your SAUTER specialist dealer:



Control outputs (optocoupler, digital I/O):

to connect relays, signal lamps, valves, etc.



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



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



PC Software: to transfer the measurements from the device to a PC.



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



## GLP/ISO record keeping: of measurements with date, time and

serial number. Only with SAUTER printers.

#### **Measuring units:** Weighing units can

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

## >0← ZERO:

Resets the display to "0".



ZERO

#### Battery operation:

Ready for battery operation. The battery type is specified for each device.



Rechargeable battery pack: rechargeable set.

## Mains adapter:



230V/50Hz in standard version for EU. On request GB, AUS or USA version available.

## Power supply:



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



by a electric motor.



### Motorised drive:

Motorised drive:

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

The mechanical movement is carried out



### 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:

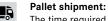
The time required for factory calibration is specified in the pictogram.



1 DAY

## Package shipment:

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



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