## Light measuring instrument SAUTER SO







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

#### Features

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

#### Technical data

- Measuring frequency: 2 Hz
- Cable length (Photo sensor) approx. 1 m
- Dimensions WxDxH 100x60x28 mm
- Optional battery operation, battery not standard (9 V Block), AUTO-OFF function to preserve the battery
- Net weight approx. 250 g

STANDARD











Model	Measuring range	Readout	Option ISO Calibration Certificate
	[Max]	[d]	ISO
SAUTER	lx	lx	KERN
SO 200K.	200	0,1	961-190
	2000	1	
	20000	10	
	200000	100	

## **SAUTER Pictograms:**





#### Adjusting program (CAL):

For quick setting of the balance's accuracy. External adjusting weight required.



SWITCH

#### Data interface Infrared:

(optocoupler, digital I/O):

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



#### **Battery operation:**

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



#### Rechargeable battery pack:

rechargeable set.



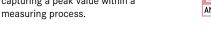
#### Calibration block:

standard for adjusting or correcting the measuring device.



#### Peak hold function:

capturing a peak value within a





#### Analogue interface:

Control outputs

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

to connect relays, signal lamps, valves, etc.



ACCU

#### Mains adapter:

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



#### Scan mode:

Push and Pull:

continuous capture and display of measurements.



#### Statistics:

PC Software:

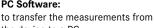
the device to a PC.

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



### Power supply:

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



or USA on request.



#### Motorised drive:

The mechanical movement is carried out by a motorised drive.



#### Length measurement:

and compression forces.

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

the measuring device can capture tension



SOFTWARE

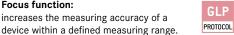
#### Printer:

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



#### Fast-Move:

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





### GLP/ISO record keeping:

of measurements with date, time and serial number. Only with SAUTER printers.



#### ISO Calibration:

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



FOCUS

#### Internal memory:

Focus function:

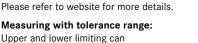
to save measurements in the device memory.



TOL

#### Measuring units:

Weighing units can be switched to e.g. non-metric at the touch of a key.





## in days in the pictogram.

Package shipment:

Pallet shipment: The time required for internal shipping preparations is shown

The time required for internal

shipping preparations is shown



1 DAY

## in days in the pictogram.

Warranty: The warranty period is shown in the pictogram.



## Data interface RS-232:

bidirectional, for connection of printer and PC.



## ZERO:

Resets the display to "0".

be programmed individually,

e.g. for sorting and dosing.



#### Data interface USB:

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

## Your SAUTER specialist dealer: