SAUTER CATALOGUE 2019

Photometer Sauter SP







Compact photometer, optimised for accurate light measurement, including LED light measurement

Features

- For measuring illumination of office workstations, production workstations, etc.
- Photo sensor: Silicon diode, filtered
- Cosine correction for incidence of light at an angle
- Data-hold function, to freeze the current measurement
- **II Rotatable sensor unit** (+90 and -180°) for optimum alignment to the light source
- Sturdy protective cover for the photo sensor
- Increased service life: Impact protection by means of delivery in a soft box with light protection
- **TRACK function** for continuous recording of variable environmental conditions
- · Peak hold function to capture the peak value
- Selectable units: fc (foot-candle), lux
- · Easy to toggle between units by a keypress
- Option of fitting a stand on the rear of the housing, 1/4" thread

Technical data

- Precision up to 20.000 Lux: ± (4 % of the result + 10 scale intervals)
- Precision from 20,000 Lux: ± (5 % of the result + 10 scale intervals)
- Repeatability: ± 2 % of [Max]
- Temperature error: ± 0,1 % of [Max]/°C
- Measuring frequency: 2 Hz
- Dimensions W×D×H 185×68×38 mm
 - Operating temperature and humidity: 0 °C/40 °C, 0-80 % RH
 - Ready to use: Battey included, 9 V block, operating time up to 200 hours
 - Net weight approx. 130 g



| Model | Measuring range | Readout | Fact | Option Factory calibration certificates | |
|---------|-----------------|---------|------|--|--|
| | [Max] | [d] | | | |
| SAUTER | lx | lx | | KERN | |
| SP 200K | 0-200 | 0,1 | | | |
| | 200-2000 | 1 | | 961-190 | |
| | 2000-20000 | 10 | | | |
| | 2000-200000 | 100 | | | |

SAUTER

SAUTER CATALOGUE 2019

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.

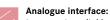


Data interface Infrared:

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

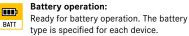


Measuring with tolerance range (limit-setting function): Upper and lower limiting can be programmed

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:



