

UV-STROBOSCOPE

PCE-LES 108UV-385



- » **8 UVA high-power LEDs**
- » **light colour: 380 ... 390 nm**
- » **flash frequency adjustable in FPM and Hz**
- » **intensity: 4617 $\mu\text{W}/\text{cm}^2$ at 30 cm**
- » **digital pulse width modulation**
- » **phase shift: - 360 ° ... + 360 °**
- » **quick adjustment via x2 and \div 2 key**
- » **intuitive control keys and clear display**
- » **pocket size**

Analysing the movement of rotating machines is quick and easy with our stroboscope. The Tachometer is equipped with 8 UVA high-power LEDs, which together generate a light intensity of 4617 $\mu\text{W}/\text{cm}^2$ at a distance of 30 cm. The stroboscope allows you to set the flash frequency in both FPM and Hz. The stroboscope is pocket-sized and also mains-independent thanks to the rechargeable battery.

The stroboscope is operated intuitively using the 10 keys, allowing quick adjustments to be made. The phase shift allows the observation point to be moved variably. The pulse width can be used to set the duration and therefore also the intensity of the flash frequency. The display brightness can be selected in the settings menu and the display can also be switched off after a period of inactivity, which extends the battery life. The stroboscope is supplied with a USB-C charging cable in a service bag.

Tachometers are indispensable tools for monitoring and inspecting production facilities, e. g. in the printing and textile industries but also for general maintenance and inspection tasks in all industrial sectors. They also enable non-contact speed and vibration measurement: if the flash frequency of the Tachometer matches the frequency of movement, the measured object appears stationary.

Specification

Frequency

Measuring range up to 60 ... 9999,99 FPM

Resolution 0,01 FPM

Accuracy ± 0.003 % of the setting or ± 1 LSD

Frequency

Measuring range up to 10000 ... 300000 FPM

Resolution 0,1 FPM

Accuracy ± 0.003 % of the setting or ± 1 LSD

Frequency

Measuring range up to 1 ... 5000 Hz

Resolution 0,01 Hz

Accuracy ± 0.003 % of the setting or ± 1 LSD

General technical data

Display Typ LCD-Color Display

Display size 2,8 Inch

Operating time 3 h

Operating time Additional information at flash frequency 100 Hz, 1 %, display brightness 70 %

Automatic shutdown adjustable 2 ... 10 min.

Automatic switch-off can be deactivated Yes

Luminous intensity 6617 $\mu\text{W}/\text{cm}^2$ @ 20 cm @ 1000 Hz, 1%
4617 $\mu\text{W}/\text{cm}^2$ @ 30 cm @ 1000 Hz, 1%
2002 $\mu\text{W}/\text{cm}^2$ @ 50 cm @ 1000 Hz, 1%

Light color UV light (380 ... 390 nm)

Phase shift -360 ... 360 °

Pulse width 0.01 ... 1 % of pulse duration
Resolution: 0.01 %

0.01 ° ... 3.60 ° of 360 °
Resolution: 0.01 °

Menu language Turkish, English (US), Polish, Spanish, German, Chinese, Russian, French, Italian, Dutch

Protection class (device) IP52

Power supply 5 V DC, 2 A

Battery/battery 1 x 7,4 V intern , Lithium-ion battery

Battery capacity 2200 mAh

Operating conditions -20 ... 60 °C , 35 ... 85 %RH

Storage conditions -20 ... 60 °C , 35 ... 85 %RH

Dimensions (L x W x H) 165 x 90 x 35 mm

Weight 284 g