

AUTOMOTIVE TESTER / STROBOSCOPE

PCE-LES 103UV-385



- » **3 UVA high-power LEDs**
- » **Wavelength: 380 ... 390 nm**
- » **Flash frequency adjustable in FPM and Hz**
- » **Intensity: 317 $\mu\text{W}/\text{cm}^2$ at 30 cm**
- » **Digital pulse width modulation**
- » **Phase shift: - 360 ° ... + 360 °**
- » **Quick adjustment using x2 and \div 2 buttons**
- » **Intuitive control buttons and clear display**

Motion analysis of rotating machines is quick and easy with our automotive tester / stroboscope. The automotive tester / stroboscope is equipped with 3 high-power UVA LEDs (385 nm), which together generate a light intensity of 317 $\mu\text{W}/\text{cm}^2$ at a distance of 30 cm. The automotive tester / stroboscope allows the flash frequency to be set in FPM and Hz. At the same time, it is small, handy and independent of the power supply thanks to its rechargeable battery.

The automotive tester / stroboscope is operated intuitively using 10 buttons, allowing quick settings to be made. The observation point can be variably shifted using the phase shift. The pulse width can be used to set the duration and therefore also the intensity of the flash frequency. In the settings menu, you can select the display brightness and switch off the display after a period of inactivity, which extends the battery life. The automotive tester / stroboscope is supplied with a USB-C charging cable in a service bag.

Automotive Tester / Stroboscopes 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 automotive tester / stroboscope matches the movement frequency, the measured object appears stationary.

Specification

Frequency

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

Resolution 0,01 FPM

Accuracy ± 0.003 % of the setting or ± 1 LSD

Frequency

Measurement range up to 10000 ... 300000 FPM

Resolution 0,1 FPM

Accuracy ± 0.003 % of the setting or ± 1 LSD

Frequency

Measurement range up to 1 ... 5000 Hz

Resolution 0,01 Hz

Accuracy ± 0.003 % of the setting or ± 1 LSD

General technical data

Display type LC colour display

Display size 2,8 Inch

Storage medium Internal memory

Operating time 4,5 h

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

Automatic power-off from...to 2 ... 10 min.

Automatic power-off can be deactivated Yes

Luminous intensity 635 $\mu\text{W}/\text{cm}^2$ @ 20 cm @ 1000 Hz, 1 %
317 $\mu\text{W}/\text{cm}^2$ @ 30 cm @ 1000 Hz, 1 %
115 $\mu\text{W}/\text{cm}^2$ @ 50 cm @ 1000 Hz, 1 %

Light colour 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, Polish, Spanish, German, Chinese, Russian, French, Italian, Dutch

Protection class (device) IP52

Power supply 5V DC, 2A

(Rechargeable) battery 1 x 7,4 V internal , Lithium-ion 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