UV STROBOSCOPE

PCE-LES 108UV-365



- **8 UVA high-power LEDs**
- **light colour: 365 ... 370 nm**
- **flash frequency adjustable in FPM and Hz**
- **intensity: 1731 µW/cm² at 30 cm**
- **digital pulse width modulation**
- **phase shift: - 360 ° ... + 360 °**
- **quick adjustment via x2 and ÷2 key**
- **intuitive control keys and clear display**
- **pocket size**

Analysing the movement of rotating machines is quick and easy with our stroboscope. The UV stroboscope is equipped with 8 UVA high-power LEDs, which together generate a light intensity of 1731 µW/cm² 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.

UV 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 UV stroboscope matches the frequency of movement, the measured object appears stationary.

Specification

Frequency	
Measuring range	60 ... 9999,99 FPM
Resolution	0,01 FPM
Accuracy	±0.003 % of the setting or ±1 LSD

Frequency	
Measuring range	10000 ... 300000 FPM
Resolution	0,1 FPM
Accuracy	±0.003 % of the setting or ±1 LSD

Frequency	
Measuring range	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
Operating time	3 h
Operating time additional information	at flash frequency 100 Hz, 1 %, display brightness 70 %
Automatic power-off from...to	2 ... 10 min.
Luminous intensity	2943 µW/cm2 @ 20 cm @ 1000 Hz, 1% 1731 µW/cm2 @ 30 cm @ 1000 Hz, 1% 1045 µW/cm2 @ 50 cm @ 1000 Hz, 1 %
Light colour	UV light (365 ... 370 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	5 V DC, 2 A
(Rechargeable) battery	1 x 7,4 V DST604665 , Lithium-ion battery
Capacity	2200 mAh
Performance	16,28 Wh
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