STROBOSCOPE

PCE-LES 103UV-365-CTA-KIT



- **3 UVA high-power LEDs**
- **light colour: 365 ... 370 nm**
- **flash frequency adjustable in FPM and Hz**
- **intensity: 202 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**
- **incl. crack detection agent 2-component paint spray**

Analysing the movement of rotating machines is quick and easy with our Tachometer. The UV Tachometer is equipped with 3 UVA high-power LEDs, which together generate a light intensity of 202 µW/cm² at a distance of 30 cm. The Tachometer allows you to set the flash frequency in both FPM and Hz. The Tachometer is pocket-sized and also mains-independent thanks to the rechargeable battery.

The Tachometer 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, as can switching off the display after a period of inactivity, which extends the battery life. The Tachometer is supplied with a USB-C charging cable in a service bag.

UV 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.

The 2-component paint spray crack detector offers a reliable and early method for the passive detection of fatigue cracks in materials and components.

Specification

Frequency	
Measuring range	60 ... 9999,99 FPM
Resolution	0,01 FPM
Accuracy	±0.001% of the setting or ±1 LSD
Frequency	
Measuring range	10000 ... 300000 FPM
Resolution	0,1 FPM
Accuracy	±0.001% of the setting or ±1 LSD
Frequency	
Measuring range	1 ... 5000 Hz
Accuracy	±0.001% of the setting or ±1 LSD

General technical data	
Display Typ	LCD-Color Display
Display size	2,8 Inch
Operating time	4,5 h
Operating time Additional information	at flash frequency 100 Hz, 1 %, display brightness 70 %
Automatic shutdown adjustable	2 ... 10 min.
Luminous intensity	405 µW/cm2 @ 20 cm @ 1000 Hz, 1% 202 µW/cm2 @ 30 cm @ 1000 Hz, 1% 74 µW/cm2 @ 50 cm @ 1000 Hz, 1 %
Light color	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 (US), Polish, Spanish, German, Chinese, Russian, French, Italian, Dutch
Protection class (device)	IP52
Power supply	5V DC, 2A
Battery/battery	1 x 7,4 V DST604665 , Lithium-ion battery
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

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