PORTABLE LED STROBOSCOPE

PCE-LES 350-ICA

- » **Frequency 50 ... 12000 FPM**
- » **Doubling/division of FPM at a keystroke**
- » **Light source 144 LEDs**
- » **Flash frequency units: FPM, Hz, m/min**
- » **Integrated Li-ion battery**
- » **Adjustable flash duration 1 ... 250 min**
- » **Quick one-hand operation**
- » **Illuminance: 6270 lux @ 12000 FPM / 20 cm**
- » **incl. ISO-Calibration Certificate**

Our portable LED stroboscope offers the possibility of precisely recording and analysing fast movements. With a measurement range of 50 to 12000 FPM and a high accuracy of 0.01 %, movements at different velocities can be analysed with high precision.

Our portable LED stroboscope uses 144 high-performance LEDs to generate short, intense flashes of light that are emitted at regular intervals. These flashes are synchronised with the movement or machine being examined, giving the impression that the movement is frozen or extremely slow. This phenomenon is based on the proven principle of stroboscopy, in which the eye only perceives intermittent images of fast-moving objects through discrete flashes of light. The illuminance is 6270 lux at 12000 FPM and a distance of 20 cm.

Specification

Frequency	
Measurement range up to	50 ... 12000 FPM
Resolution	0,1 FPM
Accuracy	±0.01 % of Rd
Frequency	
Measurement range up to	1 ... 200 Hz
Resolution	0,01 Hz
Accuracy	±0.01 % of Rd

General technical data	
Units	Hz, f/m, m/min
Display type	Graphic LCD
Operating time	4 h
Automatic power-off from...to	1 ... 250 min.
Luminous intensity	6270 Lux @ 12000 FPM / 20 cm
Pulse width	8 ... 50 μs (±1μs)
Light source	144 LED's
Menu language	English, Chinese
Protection class (device)	IP20
Power supply	100 ... 240 V AC	50 ... 60 Hz, 0.5 A
Connector type	Device-europlug
Capacity	2600 mAh
Operating conditions	0 ... 50 °C , 0 ... 95 % RH
Storage conditions	0 ... 50 °C , 0 ... 95 % RH
Dimensions (L x W x H)	203 x 80 x 85 mm
Weight	435 g