



PCE-LES 350
PORTABLE LED STROBOSCOPE
USER MANUAL



WARNING: READ BEFORE OPERATING UNIT

Operation

- Viewing of this light by people with photosensitive epilepsy may trigger epileptic seizures.
- Eye damage may result from direct viewing of the lamp used in this unit.
- Do Not Operate the unit in Explosive Areas.

Servicing

- For repair, consult factory or authorized service center.

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| Introduction

The portable LED stroboscope PCE-LES 350 is a compact industrial surface inspection spotlight, Widely used in packaging, printing, paper and other industries.

The PCE-LES 350 has the following features:

- Operates from a rechargeable 12V DC Power or AC Adapter.
- High flash brightness, wide range and high accuracy of flash rate.
- The built-in lithium battery module with large capacity could be recharged while the instrument is working.
- Built-in memory feature that automatically updates and stores its last used control setup, Control parameters are automatically stored as long as they remain unchanged for a 8 seconds period.
- Graphic LCD with backlight displays friendly and concise operating interfaces.
- A special shortcut function named as "Auto Scan" is offered.
- Automatically stop flash when timing over.
- Internal trigger mode.
- Built-in low battery indicator.

Technical data

- Supply Power: Rechargeable Li-ion cells,12 VDC 2.9 Amp hour.
- Charger: Input:AC100V~240V,50~60Hz.
- Display: Graphic LCD.
- Mode: Internal trigger mode.
- Flash rate: 50.0 f/m-12000.0f/m, resolution 0.1.
1.00f/s -200.00f/s, resolution 0.01.
- Flash timing: maximum 250 min.
- Dimension: 213mm(L)×80mm(W)×85mm(H).

II Operation

There are one working mode:

Internal Trigger: In this mode, the rate of strobe flashing is controlled by the inner high-accuracy controller. The flash rate can be adjusted accurately and quickly through the keyboard.

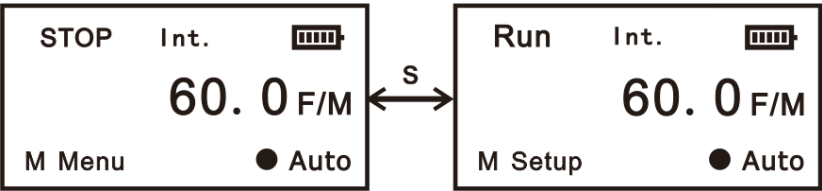
Control panel or display panel



M	• The key is used to enter or exit Setup menus.
$\times/\div$	• These key is used to change the flash rate to $\times 2$ or $\div 2$ directly. In Setup menus, they are used to choose the left or right submenu.
$\blacktriangle/\blacktriangledown$	• These key is used to change the flash rate in small increments/decrements. Longer the key is pressed, larger increments/decrements. In Setup Menus, they are used to choose the up or down item.
●	• This key is used to enter or exit the Auto Scan process. In Setup menus, they are used to confirm.

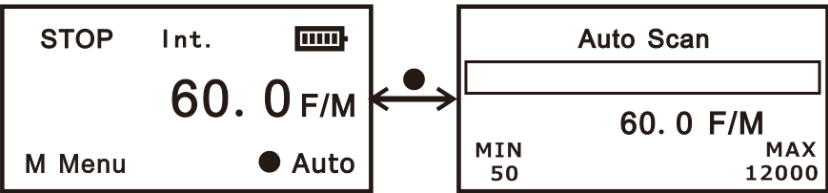
S key	The key is used to control the flashing run or stop. You can press S key for 3 seconds to switch the instrument on/off.
Reset	Press and hold the button for 3 seconds to force a reset when the system is crashes.

Run or Stop flash



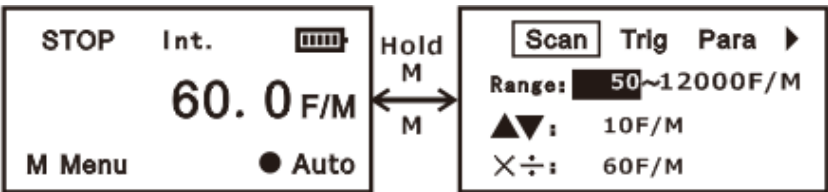
Press the **S** key to control the flashing run or stop.

Auto Scan Function



Press **●** key to enter the **Auto Scan** function. Press **▲/▼/×/÷** key to automatically increase/decrease the rate value to the upper/lower limit. Press **●** key to exit.

Setup Menu



Hold the **M** key to enter the Setup menus.

Press **●** key to change the trigger mode.

Press $\times/\div$ to choose the left or right submenu.

Press $\blacktriangle/\blacktriangledown$ key to choose the up or down item.

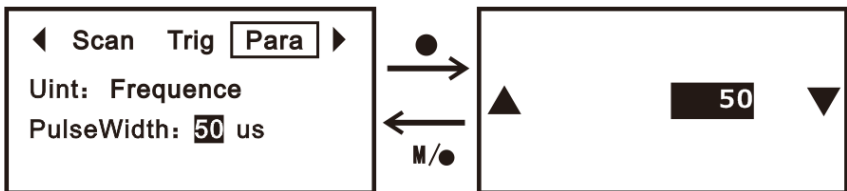
Unit Setting

There are three unit: Frequency,f/m and linespeed

Press $\bullet$ key to change unit.

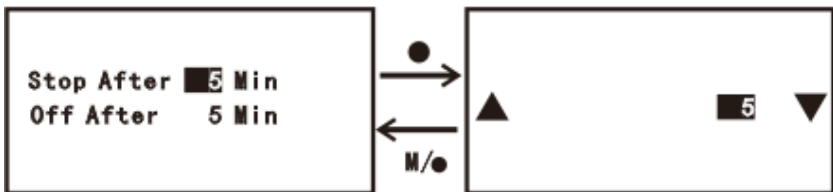
Press M key to exit.

Luminance Setting



Press $\bullet$ key to enter modifying the “PulseWidth” value,whose range is 8-100us. Press $\blacktriangle/\blacktriangledown$ key to increase/decrease the value. Press $\times/\div$ to change the value $\times 2$ or $\div 2$. Press M or $\bullet$ key to exit.

Energy-saving settings



Press $\blacktriangle/\blacktriangledown$ key to choose the “Stop timing” or “off timing” value.

Press $\bullet$ key to enter modifying the “Stop timing” or “Off timing” value,whose range is 1-250 minutes. Press $\blacktriangle/\blacktriangledown$ key to increase/decrease the value. Press $\times/\div$ to change the value $\times 2$ or $\div 2$. Press M or $\bullet$ key to exit.

III Charge battery

When LES 350 display ‘’, Built-in Li-ion Battery should be changed immediately. The Input Connector Pin Assignments as follows:

- Pin1: Adapter output positive
- Pin2: Adapter output negative



Charging need about 3 hours. When the LED indicator turn green, charge complete.

CAUTION: It is necessary to use the original adapter.

IV Packing list

- 1 x stroboscope PCE-LES 350
- 1 x mains adaptor 12.6 V / 2 A
- 1 x carrying case
- 1 x user manual

V Disposal

For the disposal of batteries in the EU, the 2006/66/EC directive of the European Parliament applies. Due to the contained pollutants, batteries must not be disposed of as household waste. They must be given to collection points designed for that purpose.

In order to comply with the EU directive 2012/19/EU we take our devices back. We either re-use them or give them to a recycling company which disposes of the devices in line with law.

For countries outside the EU, batteries and devices should be disposed of in accordance with your local waste regulations.

If you have any questions, please contact PCE Instruments.



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