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Product Name :

Stroboscope

Product Code :

SLE/EPS/14



Description :

Stroboscope (Product Code: SLE/EPS/14) is a portable digital LED stroboscope used for speed measurement and motion studies in engineering, physics and general laboratories. Its white LED flash runs from an internal oscillator over two frequency ranges or from an external trigger, and it doubles as a strobe tachometer that can “stop” a shaft down to 30 RPM. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, as part of its digitalmeasuring instruments range.

Specifications

Parameter	Detail
Type	Portable digital stroboscope for general laboratory use
Light source	High efficiency LED solid-state light source on the front; white light flash
Controls and display	Rear panel with the stroboscope controls and a liquid crystal display
Operating modes	Two: internal oscillator and external trigger
Internal oscillator	Continuous flash over two frequency ranges
External trigger	Another frequency generating device controls the flash rate
Tachometer use	Works as a strobe tachometer to measure speed instead of a laser tachometer
Lowest “stop” speed	Can “stop” a shaft down to 30 RPM (FPM)
Product code	SLE/EPS/14
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Stroboscope Used For?

A stroboscope makes a moving part appear frozen: when the flash rate matches the rotation, the shaft is lit in the same position every time. Students use it to read the speed of motors, fans and machine shafts without touching them, and to watch vibrating or rotating parts in apparent slow motion during motion studies.

For speed measurement, run the internal oscillator in the suitable frequency range and adjust until the target appears stationary, then read the flash rate on the rear-panel display. Because a shaft can also look still at whole-number fractions of its true speed, start high and come down to the first stationary image to avoid a false reading. In external trigger mode, another frequency-generating device sets the flash rate, which helps synchronise the flash with other experiments.

Manufacturer

ScienceLab, the trading name of Jain Scientific Equipments Private Limited in Ambala, Haryana, India, and traini mark

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