

LED Stroboscope

with Adjustable Flash Duration

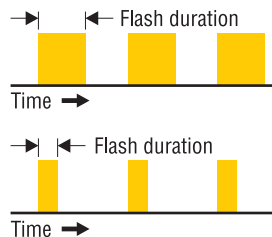
Model: ESL-200

ESL-200 is a super bright, battery operated, LED stroboscope designed to measure and observe rotating, reciprocating and linear motion in a variety of production, quality control and academic applications. It generates an extremely bright light relative to its compact size.

- Solid-state Power LEDs generate intense bright light
- Extended battery life of 6 hours continuous use at 6,000 fpm/rpm
Power save mode 12 hours continuous use at 6,000 fpm/rpm
- Adjustable flash duration for sharper images
- Auto wide measuring range – up to 150,000 fpm/rpm
- Push button operation with x2 and ÷2 buttons for quick adjustment
- Store 9 flash rates in memory for both FPM and Hz for quick retests
- Highly stable drift free operation
- Rugged aluminum housing, compact size, ergonomic design
- Tripod mountable
- Easy-to-read 5 digit 0.47" (12 mm) high LCD
- External Trigger

Adjustable Flash Duration

For most applications standard flash duration works without adjustment. For ultra high speed applications, objects may move during the brief period of a single flash, resulting in a blurred image. By decreasing flash duration, objects have less time to move and the image appears sharper. ESL-200 features adjustable flash duration.



Specifications

Range, Resolution	12.0 – 9999.9 fpm/rpm, ±0.1 fpm/rpm 10000 – 150000 fpm/rpm, ±1 fpm/rpm Display flashes over 100000 rpm
Brightness	4300 LUX 6,000 FPM, at 8" distance, flash duration F0
Selectable Units:	FPM or Hz
Accuracy	±0.01%, ±1 LSD
Power	NiMH rechargeable battery
Display	12mm, 5 digit LCD
Phase Shift	with external trigger: 0 - 359° in 1° increments without external trigger: Image positioning only
Tripod Thread	¼ - 20 UNC
Operating Temperature	0 – 45°C
Storage Temperature	-10 – 50°C
Weight	.77 lb/350 g



Small enough to fit a pocket



CE



Auto Synchronize w/Optional ET-1

Optional ET-1 External Trigger Kit

The external trigger immediately synchronizes the strobe with a rotating object. The sensor is aimed at a ferrous target mounted on the drive shaft and triggers the strobe to flash each time the target passes the sensor. ET-1 is complete with sensor, cables and AC adapter. Ferrous target not-included.

