



# ESL-20

## LED Stroboscope

### Measuring Range: 6 - 120,000 FPM

- Store up to 19 flash rates in memory for records or quick retests (Restarts at the last flash rate)
- Includes an external trigger input for flash control via an external sensor or controller as well as a trigger output
- Power-SAVE feature automatically turns off the LEDs if no user-changes are detected on the keypad (can be disabled if desired)
- Operates from internal NiMH Battery or via external AC-Adapter (provided)
- Push button operation with x2 and ÷2 buttons for easy and precise adjustment along with phase shift
- Battery runtime of approx. 10 hours on a single charge. Supplied with an automatic charging system that prevents overcharging and damaging the battery
- NIST-Traceable Calibration Certificate provided
- 2 year warranty

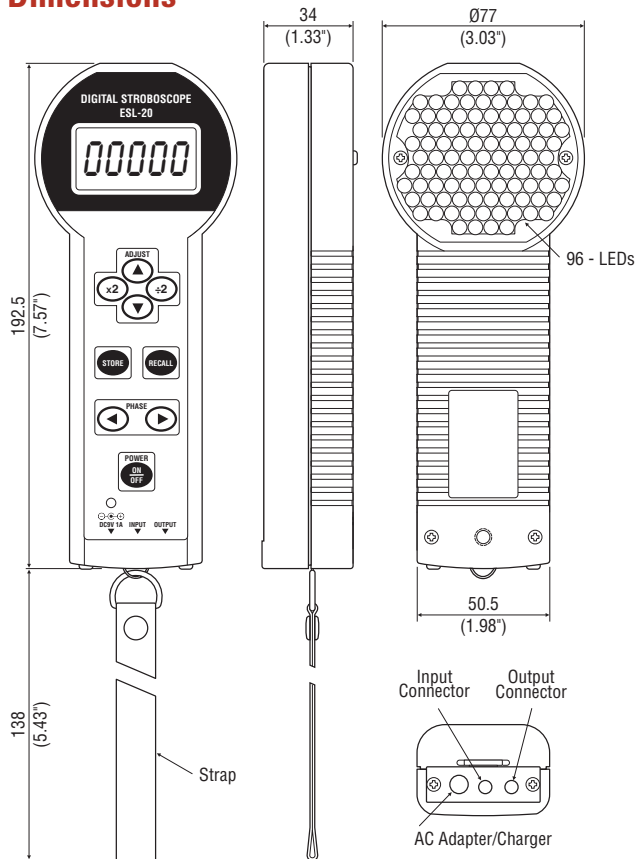


The brightest, fully featured LED strobe in a trim, efficient design. The ESL-20 series LED stroboscope incorporates 96 separate high-powered LEDs designed to measure the speed of rotating or cycling linear motion objects without contact or reflective tape, as well as freeze motion visually.

Using a rugged aluminum housing and the latest technology, it's compact size, NiMH rechargeable battery and lifetime LED lights make it a perfect choice for use anywhere on the factory floor. The ESL-20 is ideal for speed, motion and vibration analysis, such as rotating shafts, fans, cams, etc.

# Specifications

## Dimensions



96 LED Array never needs replacement

<b>Light Source</b>	96 LED Array, never needs replacement
<b>Measuring Range</b>	6.0 –120,000 fpm/rpm
<b>Accuracy</b>	±0.007%, ±1 LSD
<b>Resolution</b>	<b>±0.1 fpm/rpm</b> (6.0 to 9999.9 fpm/rpm) <b>±1 fpm/rpm</b> (10000 to 120000 fpm/rpm)
<b>Display</b>	12mm high, 5 digit LCD
<b>Power</b>	NiMH Rechargeable battery
<b>Battery Life</b>	10 hours (@ 6,000 rpm when fully charged)
<b>Charge Time</b>	6 Hours with overcharge protection
<b>Operating Temp</b>	32° to 113° F (0 to 45° C)
<b>Weight</b>	1.2 lb / 540g
<b>Housing Material</b>	Aluminum
<b>Tripod Mount</b>	1/4-20 UNC on backside
<b>Phase Shift</b>	0-359° in 1° increments
<b>Flashrate Adjust</b>	<b>COARSE:</b> press "x2" or "÷2" <b>FINE:</b> press "v" or "Λ"
<b>Output Signal</b>	100 µsec pulse width, 10 mA max (open collector)
<b>Warranty</b>	2 years

## Complete Kit

Supplied in foam-fitted carrying case with LED Stroboscope, AC-Adapter/Charger, instruction manual and NIST-Traceable Calibration Certificate.



**CHECK•LINE®**—PRECISION QUALITY CONTROL INSTRUMENTS

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