



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

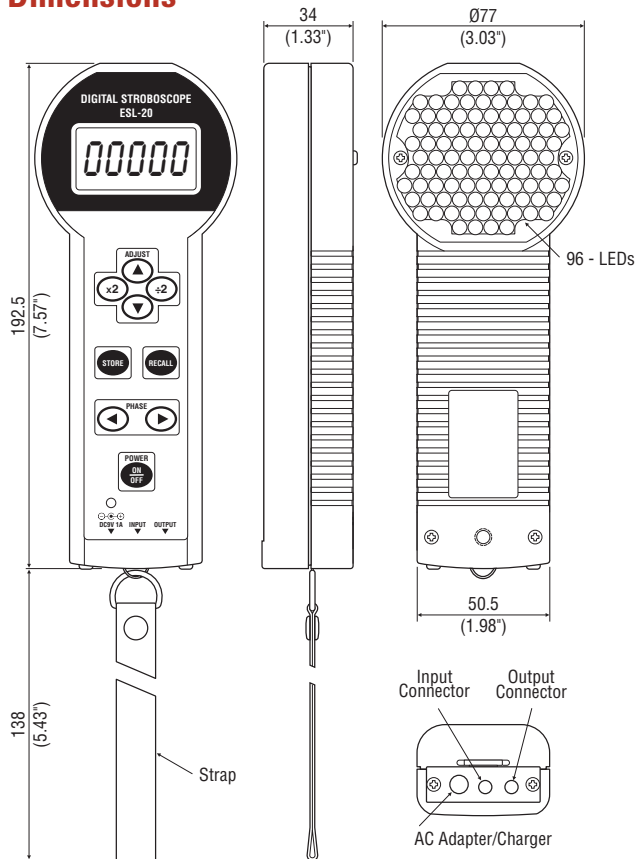


The brightest, fully featured LED strobe in a trim, efficient design. The ESL-20 series LED stroboscope incorporates 96 separate high-powered LEDs designed to measure the speed of rotating or cycling linear motion objects without contact or reflective tape, as well as freeze motion visually.

Using a rugged aluminum housing and the latest technology, its 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

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

Complete Kit

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



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