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
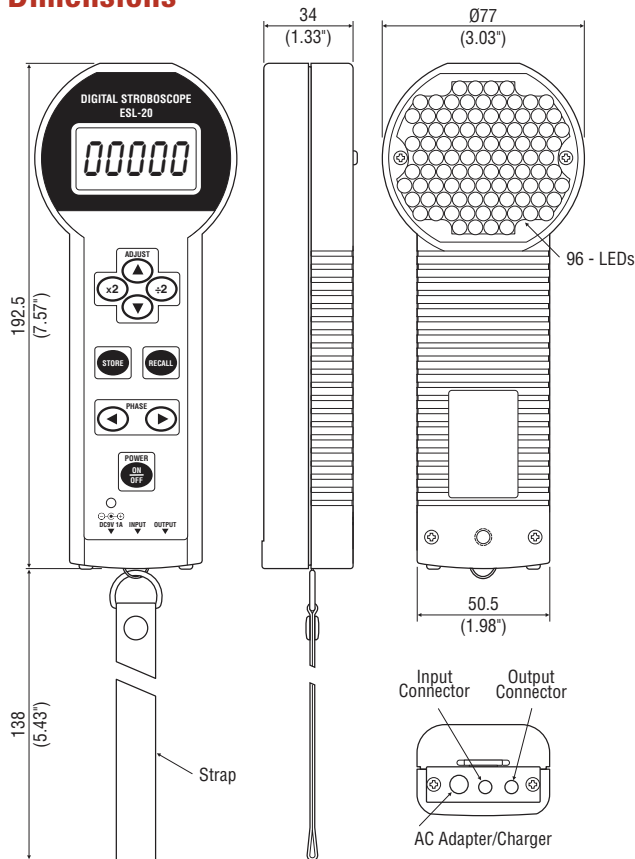
- 2 year warranty

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

34 (1.33")

Ø77 (3.03")

DIGITAL STROBOSCOPE ESL-20

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ADJUST

×2   ÷2

STORE   RECALL

PHASE

POWER ON OFF

DC5V 1A   INPUT   OUTPUT

192.5 (7.57")

138 (5.43")

50.5 (1.98")

96 - LEDs

Strap

Input Connector   Output Connector

AC Adapter/Charger

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 "^"
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.

CHECK•LINE® – PRECISION QUALITY CONTROL INSTRUMENTS

For additional information or to place an order CALL TOLL FREE 1-800-645-4330