



Wide flashing range
30–360,000 FPM

Uses a special lens and ultra-bright LEDs to emit
clear and uniform light with quiet operation

Single-handed operation
Lightweight 980 g

A large-capacity battery and low-power LEDs
enables 9 hours of continuous operation *

* At 1/2 light intensity

Multiple modes of operation
Internal / external trigger and tachometer functions

MIGHTY STROBE

L-1

**Check the motion
without stopping it.**

**High Intensity! Long Life!
Built-in ultra-bright LEDs!**

**A one-hand operable,
general-purpose LED stroboscope**



Stroboscopes are being applied in various fields such as, measuring the motor speed, checking rapidly moving machinery parts, surface inspection in steel and printing industries, and study and analysis of high-speed phenomena in R&D.

MIGHTY STROBE L-1

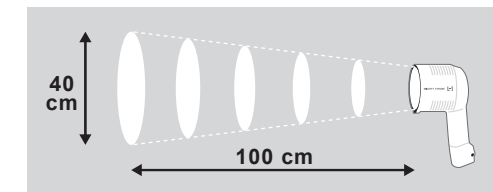
Wide range of easy-to-use functions
Saving time and costs of lamp replacement

Specifications

Flash range	Internal trigger: 30–360,000 FPM External trigger: 0–36,000 FPM
Tachometer measurement range	30–120,000 RPM
Flash duration setting	Duty cycle: 0.1–1% of a flash cycle Time: From 0.1 µsec to the time equal to 1% of a flash cycle (max 500 µsec)
Operation modes	Internal trigger mode / External trigger mode / Tachometer mode
External trigger input signals	Voltage signal, TTL signal, open collector, relay, contact signal
	Voltage signal: Low level 0–3.6 V High level 5–26.4 V, Pulse width 10 µsec or more
	TTL signal: Low level 0–1 V High level 2–5 V, Pulse width 10 µsec or more
External trigger output signals	Open collector output: 8 mA / 30 VDC
Light source	Ultra-bright LEDs
Battery	Lithium-ion battery (built-in)
	Battery life: 4.5 h (at maximum intensity, full charge) 9 h (at 1/2 light intensity, full charge)
	Recharge time: 2 h typical (when power is OFF)
AC adapter	100–240 VAC, 50/60 Hz
Weight	980 g
Dimensions (L×W×H)	182 × 122 × 294 mm
Standard accessories	AC adaptor, Hand strap, Operation manual
Accessories	Input signal cable: 8CK-602-182 Output signal cable: 8CK-402-182 Proximity / Photoelectric sensors for external input → Please visit our website for more information.

Uniform and bright illumination

L-1 uniformly illuminates a range 40 cm in diameter from a distance of 1 m.

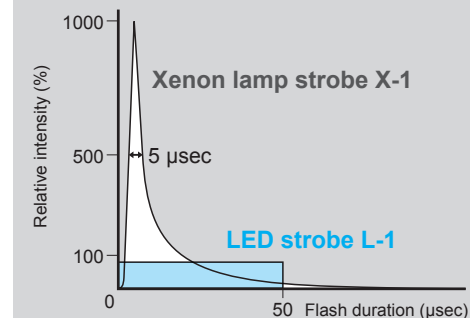


Easy-to-use LED strobe

Xenon lamp strobes have an advantage in ultra-fast rotational speed measurement and extremely small target observation. LED strobes are easier to use for ordinary speed measurement and standard observation.

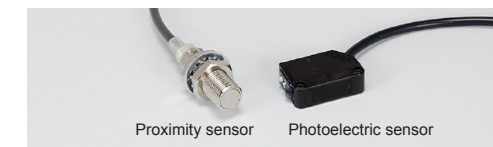
Flash duration of LED strobe L-1 and xenon lamp strobe X-1

(200 mm distance, 6,000 FPM)



Xenon lamp strobes feature instantaneous flash light of high intensity. LED strobes emit a large amount of light by adjusting the flash duration.

Sensors for external inputs



⚠ Read the instruction manual before using the device to ensure safety and to avoid damage to the device.

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Natural coloring light with two different colors of LEDs

OEL display easy to see even in bright places

Flash duration and brightness can be freely adjusted.

Individual trigger input & output jacks allow daisy-chain of strobes

Photoelectric / Proximity sensors can be used to measure rotational speed.

Tripod mountable