

Wide flashing range 30–360,000 FPM

Brightness can be freely adjusted



Sturdy dustproof/  
waterproof body

Uniform illumination  
16 hours of continuous operation  
by a large-capacity battery

# LED STROBE S-1

**Check the motion  
without stopping it.**

**Easy-to-use! Bright! Long Life!  
Sturdy IP54 dustproof/waterproof  
portable LED stroboscope**



#### Applications

Check for color, misalignments, faintness, omissions, and blemishes in printed matter

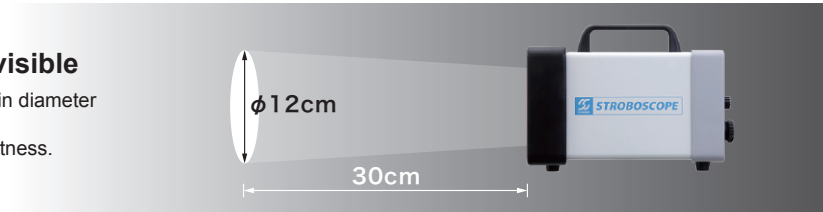
Measuring the spindle rotational speed, yarn balloon inspection, and loom timing adjustment in textile production

Measure the motorspeed, and check rapidly moving machinery parts

Surface inspection in steel and printing industries, and study and analysis of high-speed phenomena in R&D.

# LED STROBE S-1

Carefully selected functions in a dustproof/waterproof sturdy body  
LEDs reduce running costs



**Targeted area is clearly visible**  
S-1 uniformly illuminates a range 12 cm in diameter from a distance of 30 cm.  
Ultra-bright LEDs provide sufficient brightness.

## Dustproof/waterproof sturdy body

IP54-compliant dustproof/waterproof structure  
Usable in diverse workplaces without worrying about dust, water droplets, etc.

## Long-time cordless use

A large-capacity battery enables 16 hours of continuous operation.  
Can be used even at sites where no power is available.

## Memory function enables switchable settings

Settings for up to 10 cases can be saved.  
Settings can be easily changed even when using for multiple flash conditions.

## Diverse functions for controlling external trigger signal

Angle delay, time delay, frequency division, slow motion, etc. may be chosen according to the application.

## Specifications

<b>Flash frequency range</b>	Internal trigger: 30–360,000 FPM External trigger: 0–36,000 FPM
<b>Flash duration setting</b>	Duty cycle(*): 0.1–1.0% (max 500 μs or less) Time: 0.1–500.0 μs (1% or less of a flash cycle)
<b>Operation modes</b>	Internal trigger mode/External trigger mode/ External trigger divide mode
<b>External trigger input signal</b>	Voltage signal, synchronized with rising edge Low level: 0–1 V High level: 3–5 V
<b>Delay time</b>	0.04 ms to the input signal cycle time or less, max 2000 ms (resolution 0.01 ms)
<b>Delay angle</b>	0–359° (resolution 1°)
<b>External signal frequency division</b>	Maximum division ratio: 1000
<b>Slow motion</b>	-1.0 – +1.0 r/s (resolution 0.1 r/s)
<b>Battery</b>	Lithium-ion battery (built-in) Battery life: 16 h (at maximum intensity, full charge) Recharge time: 2 h (when power is OFF)
<b>IP performance</b>	IP54 (Dustproof/waterproof)
<b>AC adaptor</b>	100–240 VAC±10%, 50–60 Hz
<b>Weight</b>	1.7 kg
<b>Dimensions</b>	L 223 × W 126 × H 164.5 (mm)

(\* ) Duty cycle is the ratio of flash duration to flash cycle.

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

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Front rubber cover to mitigate external shocks

Change settings such as flash frequency with a knob

Diverse functions such as delay, frequency division, and slow motion for controlling external trigger signal

Can be used during charging

