Single-handed operation Lightweight at only 900 g

Battery-operated Can be used while charging

Multiple modes of operation Internal / external trigger and tachometer functions High brightness: Triple the power of conventional models* *Compared with Sugawara's BS-series stroboscopes

MIGHTY STROBE

Vide flashing range 30 - 36,000 FPM)

NIGHTY STROBE

Check the motion without stopping it. Bright and sharp! A one-hand operable, general-purpose stroboscope

Applications

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 X-1

Wide range of easy-to-use functions

Specifications

•	
Flash range	Internal trigger: 30 - 36000 FPM
	External trigger: 0 - 36000 FPM
Tachometer measurement range	30 - 120000 RPM
Output power	Switchable between 5 W / 10 W / 15 W
Flash duration	2.4 µs typical (full width at half maximum)
Maximum output energy	0.3 J/F
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 10µsec min.
	TTL Signal: Low Level 0 - 1 V
	High Level 2 - 5 V, Pulse width 10µsec min.
External trigger output signals	Photo coupler output: 8 mA / DC 30 V
Flash lamp	High-brightness Xenon Flash Lamp FX-6SP
Battery	Lithium-ion battery (internal)
	Battery life: 4 h at 5 W; 1.5 h at 15 W typical
	Recharge time: 2 h typical
AC adapter	AC 100 - 240 V, 50 / 60 Hz
Weight	900 g
Dimensions (L×W×H)	182 × 122 × 294 mm
Standard accessories	AC Adaptor, Hand strap, Operation manual
Optional Accessories	Input signal cable: 8CK-602-182
	Output signal cable: 8CK-402-182
	Proximity / Photoelectric sensors for external input:
	(Please refer to our website.)

₩Flawless Illumination

At a distance of 1 m, the device uniformly illuminates an area 60 cm in diameter.



Sharp stationary images made possible due to a short pulse illumination

The shorter the flash duration, the sharper are the stationary images. The MIGHTY STROBE X-1's flash duration is exceptionally short (several tens of times shorter than LED stroboscopes), allowing even rapidly moving objects to be observed clearly.

The MIGHTY STROBE X-1's flash duration and intensity compared to LED stroboscopes on the market



(Tested at flash frequency 3000 FPM and at a 300 mm distance.)

Sensors for external inputs



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

 SUGAWARA Laboratories Inc.
 □
 Head office/Tokyo sales office: 8-2 Minami-Kurokawa, Asao-ku, Kawasaki-shi, Kanagawa Prefecture 215-0034, Japan Tel. 044-989-7320, fax 044-989-7338

 □
 0.5aka sales office: 6-17 Yokomakura-Nishi, Higashiosaka-shi, Osaka seles office: 6-17 Yokomakura-Nishi, Higashiosaka-shi, Osaka Prefecture 578-0956, Japan Tel. 072-966-1061, fax 072-966-0961

 □
 Nagoya sales office: 1-2-29 Kamimazu, Naka-ku, Nagoya-sale, Sifice: 1-2-29 Kamimazu, Naka-ku, Nagoya-sale, Sifice: 1-2-29 Kamimazu, Naka-ku, Nagoya-sale, Sifice: 1-2-31-6504

 URL: http://www.sugawara-labs.co.jp/
 E-mail: info@sugawara-labs.co.jp