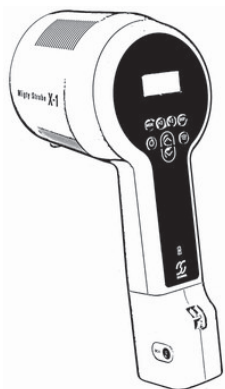


1. Features

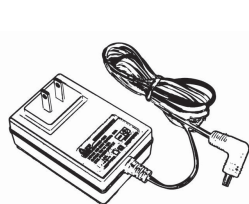
Mighty Strobe X-1 is a compact and lightweight portable strobe producing excellent high-brightness output. Based on the xenon flash lamp FX-6S (5W) that has a long-standing performance record, this product is designed to achieve more than three times the high-brightness (15W) of FX-6S. It can be used for more than two hours (emission of 10W) with a high capacity battery or with an AC adapter.

- High brightness (maximum emission power 15W)
- Compact and lightweight (900 g)
- Satin-finish mirror prevents any unevenness in the irradiation light
- Wide range of emission frequency: 30FPM-36,000FPM (0.5Hz-600Hz)
- Can be used with a battery or with an AC adapter. Charging is possible even while using the strobe.
- Uses a high capacity battery. Runs for more than 2 hours (emission of 10 W)
- Adjustable brightness (5W /10W /15W)
Keep brightness low to reduce consumption of battery and flash lamp.
- Multifunctional (Internal oscillation emission, external synchronization emission, tachometer function, external synchronization angle / time delay function).
- The external trigger input terminal has a power supply output (12 V) for the sensor.
This allows easy connection of commercially available proximity sensors and photoelectric sensors.
- Equipped with both external input and external output terminals separately.
- Can be fixed to a tripod (1/4-20 UNC).

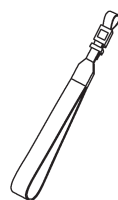
2.Package contents



Mighty Strobe X-1



AC Adaptor






Hand Strap



Operation Manual

12. Main Specifications

●Operating Modes	Internal oscillation mode, external synchronization mode, tachometer mode
●Emission frequency range	Internal oscillation mode: 30-36000 FPM External oscillation mode: 0-36000 FPM
●Tachometer function	30-120000 rpm
●Display	8-character 2-line OLED display
●Flash lamp used	FX-6SP
●Setting accuracy	±0.01%
●External measurement accuracy	± (0.01%+1digit)
●Resolution	0.1 FPM
●Lamp input power	Max continuous: LOW  5W, MID  10W, HIGH  15W switchable Max single: 300 mJ / flash (at 15W)
●Flash duration	2.4μs (at 3000FPM, 15W, half width)
●Lamp life	1×10 ⁸ flashes typical (at 10W)
●External trigger	1. Voltage input Rated input voltage 12V / 24V Input impedance Approx. 2.1kΩ H level / L level 5V-26.4V / 0-3.6V Pulse width 10μsec min. 2. No-voltage input (non-contact input) Short-circuit impedance 500Ω max. Current outflow at 0Ω Approx. 25mA Short-circuit residual voltage 0.5V max. Open circuit impedance 10kΩ min. 3. No-voltage input (contact input) Use contact points in which 12V, 20mA can be adequately opened and closed 4. No-voltage input (applicable 2-wire sensor) Leakage current 1.5mA max. Load current 20mA min. Residual voltage DC3.6V max. Supply voltage Operates with DC10.2V 5. TTL input Rated input voltage 5V H level / L level 2V-5V / 0-1V Pulse width 10μsec min.
●Power output for sensors	DC12V, 40mA
●Synchronization signal output	Open collector output (photocoupler) DC 30V, 8 mA open collector ON / OFF switchable
●Delayed emission function	Angle delay 0-359 ° Resolution: 1 ° Time delay 0-2000ms Resolution: 1ms (There is trigger delay of approximately 40μs even in the case of 0 ° or 0 ms delay.)
●Battery	Lithium-ion battery (built-in)
●AC adapter	Input: AC100-240V ± 10%, 50-60Hz Output: DC18V
●Battery runtime	5W: approx. 4 hours, 10 W: approx. 2 hours, 15W: approx. 1.5 hours
●Charging method	Connecting the AC adapter to the main body
●Charging time	Approx. 2 hours (when power is turned OFF)

- Casing Polycarbonate
- Mass Approx. 900 g
- External dimensions 182mm (L)×122mm (W)×294mm (H)
- Use environment Operating temperature : 0°C to +35°C
Operating humidity: 30% to 90% RH (no condensation)

- External view

