

1539-A Strobotac® Series

The 1539-A is a cost effective solution when external triggering only is required or when high intensity light is necessary by using multiple units.

- For machine maintenance
- Real time inspection of moving parts
- Printing press applications
- Motor troubleshooting
- For stopping motion
- Externally triggered flash rate up to 25,000 frm
- Detachable lamp for easy observation of objects in hard-to-reach areas
- Versatile delayed triggering from 100μ to 800 ms with Strobotac Flash Delay accessory

Slaved light-the 1539-A.

The Stroboslave stroboscope light source satisfies the basic requirements for motion studies and high-speed photography-it produces a bright white light at flash rates up to 25,000 per minute. Since it contains no internal oscillator to establish the flash rate, it is an economical unit and is well suited for use with external inputs.



Model 1539-A StroboSlave

- Low cost, compact
- High-intensity light

The lamp and reflector assembly is held in place by a clip from which it can be easily removed and positioned separately from the main unit. A five-foot flexible cable is supplied and cables up to 50 feet can be used. When the reflector is removed from the assembly, the lamp can be inserted through holes as small as one inch in diameter, thus making it possible to observe objects in otherwise inaccessible areas.



A tripod socket is provided on the Stroboslave case.



The lamp can be removed from its clamp at end of case and hand-held up to 5 feet away.

Series 1539-A Stroboscopic Light Source

SPECIFICATIONS

Flash Rate: 0 to 25,000 flashes per minute, externally triggered only

Light Output: Beam width 10° at ½ - intensity points.

Flashes per minute	Duration* (µs)	Energy** (watt-seconds)	Beam intensity*** (candela)
at 700	3	0.5	11×10^6
at 4200	12	0.09	3.5×10^6
at 25,000	0.8	0.014	0.6×10^6

* Measured at 1/3 peak intensity; for 1538 with -P4 duration is 8 µs.

** Electrical input to lamp, watt-seconds.

*** Measured with silicon photo detector 1 meter from lamp; single-flash beam intensity is 18×10^6 candela.

Features

External Trigger: Contact closure or pulse of ±2 V pk applied to phone jack.

Power: 100 to 125 V, or 195 to 250 V, 50 to 400 Hz, 16 W max.

Mechanical: Metal case with detachable lamp housing.

Dimensions: 21.3 cm H x 6.4 cm W x 10.5 cm D (8.38" x 2.5" x 4.13")

Weight: 1.4 kg (3 lb.) net, 3.7 kg (8 lb.) shipping

ORDERING INFORMATION

1539-9701 1539-A Strobotac Light Source

INCLUDES:

Calibration Certificate Traceable to NIST
Mounting Bracket
Phone plug for input and output jacks
Attached Power Cord

OPTIONAL ACCESSORIES:

Calibration Data
1538-9601 1538-P1 Replacement Strobotron Flash Lamp

