



LS-5-12000

Compact Linear Stroboscope

- Unmatched brightness, sharpness and uniformity from any strobe in its class.
- Long-life Xenon U-tube is easily replaced after 200 Million flashes.
- Extremely short flash duration of less than 5 microseconds provides for a super-sharp image for easy observation.
- Powered using 24V DC available on the machine or by using optional AC-DC power adapter.
- Externally triggered using industry standard TTL-type square-wave signal at rates up to 208Hz and even higher.
- Aluminum enclosure efficiently dissipates heat eliminating the need for heat sinks.
- Two or more LS-5 Strobes can be connected to each other for wider web coverage.
- CE-certified for use worldwide.



The new Checkline LS-5-12000 Linear Strobe is designed for fixed mounting on all machinery that utilize a strobe for visual inspection including, rewinders, slitters and similar process equipment in the label printing and process market as well as many others markets including vibration analyzers, balancers, metal producing equipment and much more.

The flash rate can be externally triggered by an external sensor/controller on the process machine or the LS-5-RCU Remote Controller can be optionally specified for this purpose.

The LS-5 produces a bright, sharp image when the flash rate is synchronized with

the "repeat rate" of the material under observation. The strobe operates using 24V DC (15–28V DC) using power already available on the machine or by using our worldwide AC-DC power adapter, available as an option.

The brightness, sharpness and uniform light output provided by the LS-5 is unmatched in the market considering its compact size and low cost. It is especially well-suited for use on narrow web equipment up to 16 inches wide (400mm) and wider. Two or more units can be used together in a Master/Slave arrangement when wider web widths must be covered.



The LS-5-12000 mounts easily on industrial machinery to allow visual inspections of moving objects.

Specifications

Flash Range	0 - 12,500 FPM (flashes per minute)	Illumination Intensity	500 lux @ 12 inches (30 cm), 6000 FPM
Power Supply	15 - 28 V DC / 12 Watts DIN 41525 5-pin standard plug Universal power supply unit available	Illumination Area	7.87 x 11.81" (20 x 30 cm)
External Trigger	Input 3 - 30 V / max 5 mA (voltage-free optocoupler) DIN 41524 5-pin standard plug Uout = Uin, max 200 mA	Light Color	6000 – 6500 K
Life Cycle	> 200,000,000 flashes (@6000 FPM)	Flash Energy	600 mJ @ 1200 FPM
Flash Duration	< 5 μ s	Housing Material	Aluminum
Illumination Intensity	Single flash 10 megalux @ 12 inches (30 cm)	Dimensions	6.0 x 5.1 x 4.4" (150 x 130 x 112 mm)
		Weight	1.9 lbs. (870 g)
		Ambient Temp.	32 to 104 °F (0 to 40 °C)
		Storage Temp.	-13 to 158 °F (-25 to 70 °C)
		Air Humidity	Max 95%, non-condensing

Strobe Control Unit– LS-SCU

The optional LS-SCU Strobe Control Unit for Linear Stroboscopes provides an easy-to-use control center for any stroboscope whether it is from Electromatic or another manufacturer. Use it to create a trigger signal or to influence a signal generated externally. The multiplicity of control parameters make it easy to perform the inspection or measurement tasks required of you.



Control Panel with input/output ports



Three Threaded Mounting Holes (1 @ 1/4 – 20, 2 @ M5 on underside)

Other Strobe Models Available (LED)

Model	LEDs	Array Size	Brightness (peak)	Housing Width
 LS-5-LED	80	10 x 8	6000 Lux	150mm (6 inch)
 LS-9-LED	120	15 x 8	7500 Lux	230mm (9 inch)
 LS-9-LED-WB	120	5 x 8 (3X)	7500 Lux	440mm (17 inch)
 LS-18-LED	200	25 x 8	9000 Lux	440mm (17 inch)



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