

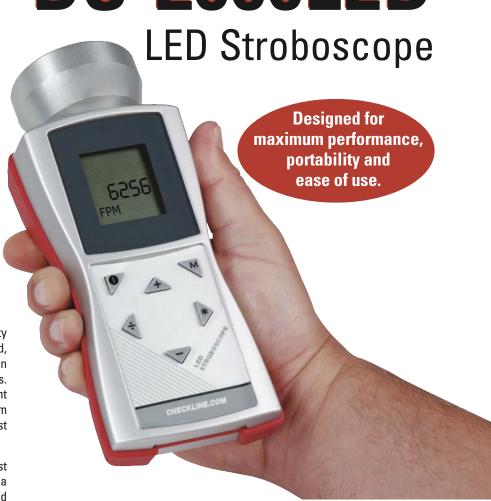
- Measuring Range: 30 300,000 FPM (5000Hz, max)
- Flash Brightness: 1500 Lux (@ 6000 FPM)
- Produces the brightest flash and sharpest image over the entire range to 300,000 FPM.
- Lifetime LEDs never need replacement.
- Intuitive controls allow user to quickly adjust flash rate and shift phase.
- Three AA-batteries provide six hours of continuous use operation.
- User-selected units of Hz or FPM (Flashes Per Minute)
- NIST-Traceable Calibration Certificate provided.
- External trigger input/output is optionally available. Specify DS-2000LED-OT.
- 2-year warranty.

Designed for maximum performance, por-tability and ease of use, the DS-2000LED is a hand-held, battery powered LED Digi-tal Strobe for use in speed measurement as well as for motion analysis. It is fitted with seven state-of-the-art, super-bright LEDs mounted in a precision-machined aluminum head with optimized optics, providing the highest light output similar strobes on the market.

The DS-2000LED strobe can operate at the highest fl ash rates for up to six hours con-tinuously on a single set of three standard AA-batteries. Keypad controls adjust the fl ash rate in single increments as well as pecial keys for 2X and ÷2 functions. Special keys for 2X and ÷2 functions. Other Other user bl-programmable settings include fltti i l d fl ashh duration, phase shift, delay and more.

The DS-2000LED features a high impact plastic case with rubber sleeve that pro-vides additional protection and improves the operator's grip. Lifetime LEDs never need replacing, which makes the strobe ideal for use on the factory floor, in the fi eld or the laboratory. Applications in-clude speed, motion and vibration analysis on rotating shafts, fans, cams high-speed motion analysis for speakers or ink-jet printing and more.

DS-2000LED







Distributed by: ABQ Industrial LP USA **Tel:** +1 (281) 516-9292 / (888) 275-5772 **eFax:** +1 (866) 234-0451 **Web:** https://www.abqindustrial.net **E-mail:** info@abqindustrial.net



Specifications

Frequency Range 30 – 300,000 FPM

Flash Duration Adjustable (1 µsec up to 8522 usec)

Accuracy 0.02% (+/- 1 digit)

Resolution \pm 0.1 FPM (30 - 999) \pm 1 FPM 1000+Brightness1500 Lux @ 6000 FPM / 20cm (7.9 inch)Protection ClassIP65 (Protection from Dust and Water Jets)

DisplayLCD, multiple linesCertificationCE (as per EU norms)Flash ColorApprox. 6.500 K

Power Supply 3x AA size batteries or 3x NiMH

rechargeable batteries

Housing MaterialAluminum / ABS Heavy duty designDimensions7.5 x 3.2 x 2.4 inch (191 x 82 x 60mm)Weight (Approx)0.88 lbs. (400g) — including batteries

Temperature Range $32 - 113 \,^{\circ}\text{F} \, (0 - 45 \,^{\circ}\text{C})$

Battery Life NiMH: approx 11h at 6.000 FPM

Disposable: approx 6 h at 6.000 FPM

Warranty 2 Years

TRIGGER INPUT

Principle Optocoupler, voltage-free

Low Level < 1 V

Level 3 - 32 V, NPN + PNP

TRIGGER OUTPUT

Principle Short-circuit and overvoltage proff transistor

output to the optocoupler control,

non-isolated

Level max.NPR, max 32VPulse LengthAdjustableMaximum current50mA

Reverse voltage

protection Yes

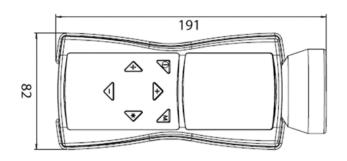
Complete Kit

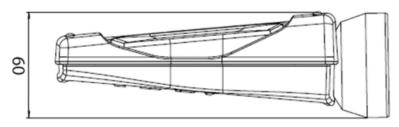
DS-2000LED Strobe is supplied in a foam-fitted carrying case with six AA batteries, Traceable Calibration Certificate and Operating Instructions.

DS-2000LED-OT Strobe also includes connector for external trigger signal and 10 foot (3 meter) trigger cable.



Dimensions (in mm)







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