

Model QB-LED Battery-Powered Stroboscope

Features

- 40 LEDs (5 x 8 matrix) produce 5000 LUX Peak Brightness
- Flash range of 30 – 300,000 FPM (0.5-5000 Hz).
- Selectable units: FPM (Flashes Per Minute), Hz, or 1/MIN.
- *Slow Motion Mode* allows user to offset the flash rate to put the frozen image into apparent slow-motion
- *PRO Mode* adds functions including Multiplier, Delay and Memory (5 user-set values)
- Standard features include Phase Shift and Internal/External Trigger.
- Built-in Litium-Ion battery provides up to seven hours of continuous operation on a single charge.
- Universal battery charger can provide contuous power for fixed-mounted use.
- Adjustable flash duration allows optimal brightness and image sharpness for every application.
- Traceable Calibration Certificate.
- Ergonomically designed handle, convenient operator controls and backlit LCD display.
- CE Certified with 1-Year Warranty.

Hand-held LED Stroboscope features forty high-powered LEDs to provide a peak brightness of 5,000 LUX.

The Check-Line® QB-LED provides the highest light output in its class. Designed for machinery observation, visual inspection and motion analysis, its robust design and rugged aluminum housing are ideal for the toughest industrial environments.

The QB-LED is extremely easy-to-use. It features a simple menu structure for accessing common and special functions. Operator controls are conveniently located on the back panel.

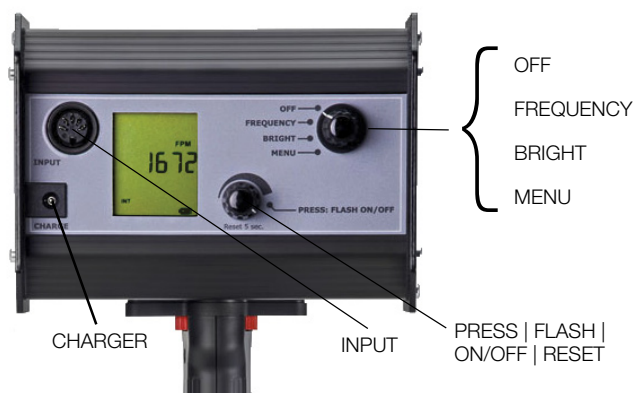
Applications: Motion and vibration analysis, balancing of rotating shafts, fans, cams, high speed motion analysis of speakers or ink-jet printing and more. The QB-LED is ideal for use in the textile, paper making, sheet metal production, automotive and printing industries.



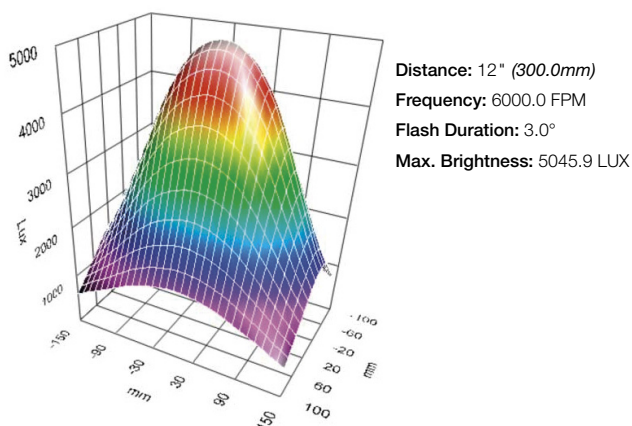
Simple controls and bright, easy-to-read LCD display.

Number of LEDs	40	Temperature Range	32 to 104° F (0 to 40° C)
Flash Rate	30 – 300,000 FPM (0.5 – 5000Hz)	Battery Life	approx. 7 hours at (@875 Lux) approx. 4 hours at 2000 Lux
Flash Duration	Adjustable (1 µsec up to 2000 µsec)	Housing Protection	IP30
Accuracy	± 0.02% (± 1-digit/±0.025µsec)	Mounting Holes	1x 1/4" – 20UNC (in center) 2x M5 Threaded Holes (60 mm c:c)
Resolution	± 0.1 FPM (30 – 999) ± 1 FPM (1000 – 9999) ± 10 FPM (10,000 – 300,000)	Trigger Input Signal	3...30 V / max. 5 mA (Isolated optocoupler) DIN 41524 5-pin standard plug Uout = 24V DC, 60 mA switchable trigger input
Brightness	5000 Lux @ 6000 FPM / 12" (30cm) and 3° Sharpness	Trigger Output	not available
Display	LCD, multiple lines	Warranty	1 Year
Certification	CE (as per EU norms)	Default Settings	FREQUENCY=1000 FPM, BRIGHT=1°/166µsec, PHASE=0, TRIGGER=INT, Display Units=FPM, Multiplier=x1, Bright Units=deg, Delay=0msec, Divider=1, Slow=0, Trigger=0(rising)
Flash Color	Approx. 5,000 – 8000 K		
Power	Built-In Lithium-Ion rechargeable battery		
Housing Material	Aluminum		
Dimensions	6 x 5.1 x 4.4" (150 x 130 x 112 mm)		
Weight	2.2 lbs. (1 Kg)		

Controls



Light Output (LUX) vs Distance



Related Products

QBS-LED

Battery-powered LED Stroboscope

- Peak brightness of 10,000 LUX
- 118 high-powered LEDs
- Provides a Non-Contact Tachometer Mode
- Auto-Sync instantly freezes rotating motion without adjustment



LS-9-LED

Fixed Mount LED Linear Stroboscope

- 120 Hi-Powered LEDs for Peak brightness of 7,500 LUX
- Covers web widths to 16" (400mm) & more
- Adjustable brightness & sharpness



DS-2000-LED

Splash-Proof LED Stroboscope

- Advanced features with 7 over-sized LEDs
- Small, lightweight for maximum portability



Complete Kit

The QB-LED is supplied as a complete kit including the strobe, removable handle, universal AC adapter with USA, EURO and UK plugs, DIN connector when using external trigger signal from sensor, traceable calibration certificate in a foam-fitted plastic carrying case.

