

Model QBS-LED Battery-Powered Stroboscope

Features

- 118 High Power LEDs produce 10,000 Lux Peak Brightness.
- Flash range of 30 - 300,000 FPM (0.5-5000 Hz).
- Selectable units of FPM, Hz or 1/MIN.
- Built-In laser light source provides a Non-Contact *Tachometer Mode*
- *Auto-Synch* feature instantly freezes rotating target without adjustment.
- *Slow Motion Mode* offsets the flash rate to put the frozen image into slow-motion.
- *PRO Mode* provides additional functions including Multiplier, Delay and Memory (5 User-set Values).
- Adjustable flash duration allows optimal tuning of brightness and image sharpness for every application
- Features include Phase Shift, and Internal/External Trigger
- Traceable Calibration Certificate.
- Ergonomically designed handle, convenient operator controls and backlit LCD display.
- Universal AC battery charger can provide continuous power for fixed-mounted use
- CE Certified with 1-Year Warranty

Hand-held LED Stroboscope features 118 high-powered LEDs to provide a peak brightness of 10,000 LUX.

The Check-Line® QBS-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 QBS-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. Its built-in Lithium-Ion battery provides up to five hours of continuous operation on a single charge.

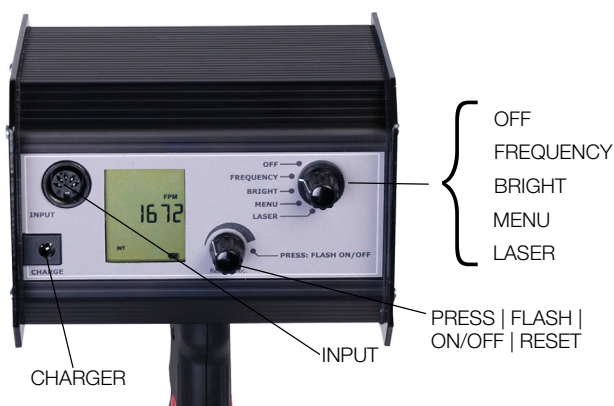
Applications: Motion and vibration analysis, balancing of rotating shafts, fans, cams, high speed motion analysis of speakers or ink-jet printing and more. The QBS-LED is ideal for use in the textile, paper making, sheet metal production, automotive and printing industries.



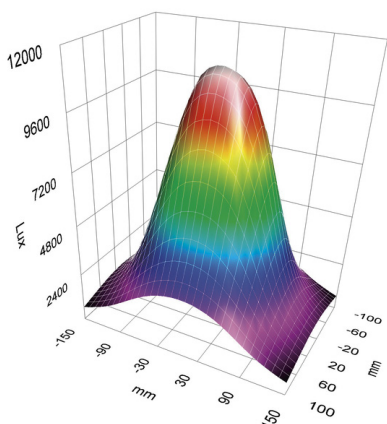
Simple controls and bright, easy-to-read LCD display.

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|-------------------------|--|-----------------------------|---|
| Number of LEDs | 118 | Temperature Range | 32 to 104° F (0 to 40° C) |
| Flash Rate | 30 – 300,000 FPM (0.5 – 5000Hz) | Battery Life | approx. 2.3 hours at 4,000 Lux (0.50°) approx. 5.0 hours at 2000 Lux (0.25°) |
| 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 | Approx. 8,000 Lux @ 1° Sharpness and 12" (300mm) distance | 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 | 2.5 lbs. (1.15 Kg) | | |

Controls



Light Output (LUX) vs Distance



Related Products

QB-LED

Battery-powered LED Stroboscope

- Peak brightness of 5,000 LUX
- 40 high-powered LEDs
- Built-In Lithium-Ion battery provides up to seven hours of continuous operation on a single charge.



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.