

PLS Pocket LED Stroboscope



7 LED Array



The PLS Pocket LED Stroboscope is a compact, rugged, lightweight device that provides a super bright, uniform light output for performing visual diagnostic inspection and RPM measurements. The silent cool running LEDs are extremely energy efficient, providing up to 6 hours of operation on a single charge. The PLS has a wide operating range of 30-300,000 flashes per minute, which covers most industrial applications. Additional features include external input for remote triggering or tachometer mode, pulse output, memory for up to 5 preset flash rates, NIST calibration certificate, tachometer mode for speed measurements up to 300,000 RPM using optional remote sensors and TTL pulse output.

Features:

- Intuitive one-handed operation
- Energy efficient with long battery life
- Extremely bright, uniform light
- Quiet, cool operation
- Compact size
- No lamp replacements
- Lightweight
- Digital backlit LCD
- Tripod mounting bushing (1/4"-20)
- NIST Certificate included

Specifications*	PLS Pocket LED Strobe	
Display	LCD with 6 numeric 0.506 in. (12.85 mm) high digits and 5 alphanumeric 0.282 in. (7.11 mm) high digits	
	Flash Range	30-300,000 FPM, 0.5 to 5000Hz
Indicators	Flash Rate Accuracy	0.005% of setting or ± last digit
	Flash Rate Resolution	0.01 to 1 FPM (menu selectable), 0.1 FPM resolution above 9,999.99 FPM, 1 FPM resolution above 99,999.9
Memory	Last setting before power down is remembered and restored on next power up; 5 user-settable memory locations	
	External Modes	
Flash Duration	Flash Range	0-300,000 FPM, 0 to 5000Hz
	Tachometer Mode	30 to 300,000 RPM
Power	Accuracy	±0.005% of reading or ± last digit
	Display Update Rate	0.5 second typical above 120 RPM
Light Source	7 LED array	
Light Output	Trigger to Flash Delay	Approximately 15 µsec
	External Input	2.5V to 12V peak pulse 500 ns min pulse width, positive or negative edge triggered (menu selectable)
Color Temperature	Approximately 6200 K	
Run Time	5-6 hours typical @ 6000 FPM, and 2.0° duty cycle with fully charged batteries	
Charge Time	4-5 hours typical with supplied charger	
Weight	0.6 lbs. (0.27 kg) including batteries	
Dimensions	7.75 x 2.75 x 2.3 in. (197 x 70 x 58 mm)	
Output Pulse	3V pulse; one pulse per flash in internal mode - mimics input pulse in external mode	

*Specifications are subject to change without notice.

Ordering Information

Model	Description	Part No.
PLS	Pocket LED Stroboscope, universal 115/230VAC recharger with interchangeable wall plugs and NIST Certificate	6235-010
PLS Kit	Same as above with die cut foam lined latching carry case	6235-011
PLS Kit Plus	Same as PLS Kit above. Also includes ROLS-P Remote Optical Laser Sensor for triggering flash or for use as a laser tachometer	6235-012

[Accessories available on website](#)

[For details, see PLS webpage.](#)

Accessories:

Remote Optical Laser Sensor
PN 6180-029



Remote Optical Sensor
PN 6180-057



Replacement Lithium Battery
Charger 115/230 with
interchangeable plugs
PN 6280-027



Reflective Tape - 5-ft. x 1/2" roll
PN 6180-070



Protective Carry Pouch
PN 6280-073



Replacement Li-ion Battery Pack
PN 6280-047



Miniature Tripod
PN 6280-049

