

PLSPocket LED Stroboscope

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

Typical Uses:

- Speed measurement
- Virtual stop motion inspection for quality control and quality assurance
- Predictive maintenance













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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 providing a TTL pulse output.

PLS Pocket LED Stroboscope

Specifications*	PLS Pocket LED Strobe			
Time Base	Ultra stable crystal oscillator	Internal Mode		
Display	LCD with 6 numeric 0.506 in. [12.85 mm] high digits and 5 alphanumeric 0.282 in. [7.17 mm] high digits	Flash Range	30-300,000 FPM, 0.5 to 5000 Hz	
Indicators	Low Battery, On-Target, Select, TACH, and EXT icons	Flash Rate Accuracy 0.005% of setting or ± last digit		
Memory	Last setting before power down is remembered and restored on next power up; 5 user-settable memory locations	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	
Flash Duration	Adjustable 0.5 to 1300 microseconds or 0.1 to 10 degrees of rotation (auto adjusts with flash rate)	Display Update Rate	Instantaneous	
		External Modes		
Input Power	Battery-powered: internal Li-ion rechargeable batteries 3.6 V dc	Flash Range	0 to 300,000 FPM, 0 to 5000 Hz	
Light Output	Average: 3300 lux @6000 FPM 12" from target @ 2°	Tachometer Mode	0 to 300,000 RPM	
Run Time	5-6 hours typical at 6000 FPM, and 2.0° pulse width with fully charged batteries	Accuracy	±0.005% of reading up to 250,000 or ± last digit	
		Display Update Rate	0.5 second typical above 120 RPM	
Charge Time	4-5 hours typical with supplied charge		,,	
Weight	0.6 lbs. [0.27 kg] including batteries	Trigger to Flash Delay	~ 15 μsec	
Safety	This product is designed to be safe for indoor use per IEC61010-1.	External Input	2.5 V to 12 V peak pulse 500 nanosecond min. pulse width; Positive or Negative edge triggered (menu selectable)	
Operating Temp.	32 - 104 °F [0-40 °C]		·	
Humidity	Maximum relative humidity 80% for temperature up to 88 °F [31 °C] decreasing linearly to 50% relative humidity at 104 °F [40 °C]	Output Pulse	3 V pulse; one pulse per flash in internal mode mimics input pulse in external mode	
		Pulse In to Out Delay	< 0.2 μsec (External Mode)	

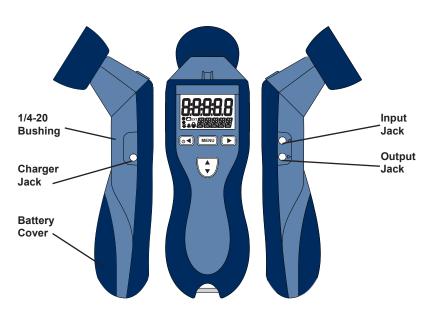
^{*}Specifications are subject to change without notice.

Ordering Information

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Model	Description	Part No.	
PLS	Pocket LED Stroboscope, universal 115/230 V ac 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; 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: 6280-074



Tripod Mini PN: 6180-040

