

*Palm Strobe x*RoHS NIST 

Palm Strobe x



## Common Applications:

- Data Collectors
- Fans
- Printing Presses
- R&D
- Utilities
- Felt Belts/Conveyor
- Vibration Studies
- Textiles

## Ordering Information

Palm Strobe x 115/230 - Stroboscope with PSC-2U (115/230Vac) recharger \*

Palm Strobe x Pak 115/230 - Same as above with spare battery and holster

Palm Strobe x Kit 115/230 - Stroboscope with PSC-2U (115/230 Vac) recharger \*, Spare Lamps and Latching Carrying Case

Palm Strobe x Deluxe Kit - Stroboscope and Battery with PSC-2U (115/230 Vac) recharger \*, Spare Lamps & Battery, Holster and Latching Carrying Case

\* Includes USA, Australian, UK and Euro plug adapters.

**PALM STROBE x** Offers excellent brightness, exceptional features, rugged construction and extra long battery life. Unique one-touch joystick-type button allows single hand operation for fast fractional RPM tuning. Select mode of operation for internal tuning, external TTL pulse input, tachometer display and x2 ÷2 functions. Eight memory positions provide rapid recall of user defined frequencies.

## Features:

- Patented Plug-in Battery Pack
- Easy One Hand Operation
- Light weight, Pocket Size
- Flash Rates to 12,500 FPM
- Tachometer Mode from Self Powered Sensors
- TTL Compatible Input/Output (3.5mm phono plug)

## Unlimited Power:

World's First Stroboscope with removable, rechargeable battery pack (patented).

Palm Strobe x shown with optional protective rubber cover

Specifications	Palm Strobe x Series
Internal Mode Range	100 - 12,500 FPM (Flashes per Minute)
Light Power	7.9 watts @ 6000 FPM, 150 mJoules up to 3100 FPM
Flash Lamp Life	100 million flashes typical
Flash Duration	10 - 30 microseconds typical
Display	6-digit alphanumeric backlit LCD display
Flash Rate Resolution	0.1 FPM
Flash Rate Accuracy	Greater of ±0.01% of reading or ±0.5 FPM
Tachometer Mode	5 to 250,000 RPM
External Input	0 to 5 Vdc (12 Vdc max.) TTL compatible, positive edge triggered
Output Pulse	0 to 5 Vdc typical- 350 µsec positive pulse (3.5mm 1/8" phono plug)
Run Time	2 Hours typical @ 1800 FPM >1 Hour typical @ 6000 FPM
Memory	8 programmable flash rates and last flash rate at power down
Adjustment	Four quadrant tuner button with blinking decade select for flash rate up and down, multiply by 2 and divide by 2
Modes	Internal, External, Tachometer, Preset, x or ÷2, Locked On
Battery Power	Removable 6Vdc rechargeable battery pack
Recharger(s)	100-240Vac, 50/60Hz, includes 4 interchangeable adapters
Weight	1.2 lbs. (0.55 kg) including battery
Strobe Dimensions	3.04 x 9.34" (77 x 237 mm)

## PERMANENT MOUNT STROBOSCOPES

*MVS Machine Vision Strobe*RoHS 

MVS Machine Vision Strobe

The MVS Machine vision strobe is designed for fixed installation in any application requiring continuous stroboscopic visual inspection. The MVS has an extremely bright xenon light output with adjustable pulse width and focal distance for optimized target illumination. Connect your existing trigger signal or the optional Frequency Controller with LCD. Connect multiple units together in parallel for applications with wide illumination area requirements. Use the optional Audio Interface Box and microphone to create stunning audio driven visual effects.

## Features:

- Continuous (24/7) cool operation
- Maximum flash rate of 9000 FPM
- Rugged fan cooled aluminum housing
- Tripod mounting bushing
- Dependable and versatile
- 115 or 230Vac input power

## Inspection Applications:

- Labels
- Textiles
- Paper
- Packaging
- Bottling
- Fluid Droplets

## Optional Audio Interface Box and Microphone



## Optional Frequency Controller with LCD



## Ordering Information

MVS 115 115Vac powered Machine Vision Strobe with TTL input cable

MVS 230 230Vac Machine Vision Strobe with TTL input cable

MVS Frequency Controller with LCD with power supply and input/output cable

MVS Audio Interface Box with power supply and interface cables

MVS Audio Microphone with mounting hardware

Specifications	MVS Machine Vision Strobe
Range	1 to 9000 Flashes/Minute (150Hz)
LCD Display (optional)	6 Digit Numeric and 5 Digit Alphanumeric LCD
Flash Energy/Duration	450 mJoule up to 4000 FPM / 10 to 100 microseconds
Light Output Power	20 watts average
Trigger to flash delay	5 microseconds
Operating temp	32 to 104 deg. F (0 to 40 deg. C) max 80% Humidity
Size/Weight	5.75"L x 4.36"W x 5.0"H / 1.5 lbs.
External Trigger in/out	TTL (3.3 to 24Vdc max)
Input Power	Available with 115Vac 50/60Hz or 230Vac 50/60Hz