

# Introducing SHIMPO's New Portable **LED SABERSTROBE - MODEL DT-326**

The **SaberStrobe** is an all new **LED stroboscope** utilizing super bright light emitting diodes (LED's) in an appealing, durable all metal design. The **DT-326's** unique **LED** array provides an accurate and stable strobe light. Innovative industrial design allows for a longer flash life - 5 times longer than traditional xenon flashtubes! With its intuitive **"ONE HAND"** controls, wide and adjustable flash rate, brightness and focus control, AC or DC operation and silent operation, the Shimpo **DT-326 LED SaberStrobe** provides a superior value in a practical package.



**DT-326 STANDARD KIT**

FEATURES	BENEFITS
Wide Flash Range	60-120,000 flashes per minute, can be applied to meet almost any HIGH-SPEED application
Ratio Control (Flash Pulse Duration)	Adjustable Flash Pulse duration achieves sharper images for critical inspection
ECO Mode	Brightness control extends battery life
AC/DC Operation	AC adapter for continuous use or (4xAA batteries) for maximum portability
Phase Shift	Advance or retard flash timing for viewing gear teeth, cutting surfaces, repeats or "drifting" images
All Metal Construction	Durable, comfortable, hand-held, fixed or swing arm mounted
Input/Output Interface	Input sensor triggers or Output synchronization controls

**SHIMPO** —All for dreams

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The **DT- 326** is designed for Speed (RPM) and Frequency (Hz) measurements for Motion and Vibration Analysis. **It is ideal for predictive and preventive maintenance applications such as:** motors, shafts, roto-gravure printing, extruders, blow molding, wire lettering and striping, engraving, pulse jets, water jets, fans, cams, gear teeth, belt inspections, audio/speakers, fuel injectors, vibration analysis and cutting blade timing and sharpness.

<b>DT- 326 STROBOSCOPE SPECIFICATIONS</b>				
<b>Unit</b>	FPM (Flashes Per Minute), Hz (cycles/sec)			
<b>Flash Rate Range</b>	High Range	60 – 120,000 FPM, 1 – 2,000Hz		
	Low Range	60 – 12,000 FPM, 1 – 200Hz		
<b>Flash Rate Accuracy</b>	0.02 % ± 1 digit at 77 ° F			
<b>Flash Resolution</b>	Unit FPM	High Range	1 FPM	60 – 30,000 FPM
			2 FPM	30,002 – 60,000 FPM
			5 FPM	60,005 – 100,000 FPM
			10 FPM	100,010 – 120,000 FPM
	Low Range	0.1 FPM	60.0 – 3,000.0 FPM	
		0.2 FPM	3,000.2 – 6,000.0 FPM	
		0.5 FPM	6,000.5 – 12,000.0 FPM	
	Unit Hz	High Range	0.1 Hz	0.1 - 2000 Hz
Low Range		0.01Hz	0.01 - 200 Hz	
<b>Ratio</b>	0.1 – 2.5 ° ( / 360 ° ) Setting of every 0.1 °			
<b>Light Source</b>	High brightness LEDs			
<b>Flash Mode</b>	Normal and ECO(Power Saving Mode)			
<b>Flash Delay/Phase Shift</b>	Time	0 – 999 ms		
	Angle	0 – 359 °		
<b>Controls</b>	Power, Multiply by 2, Divide by 2, Phase Shift±, Ratio, ECO, Mode Setting			
<b>External Trigger Input</b>	Photocoupler input 12mA/DC12V			
<b>External Clock Ouput</b>	Photocoupler Output 30mA/DC30V, Pulse width 200µs			
<b>Light Power (Illumination/Brightness)</b>	1,300 lux	Normal	6,000 FPM	7.87in (20cm)
	200 lux			19.69in (50cm)
	400 lux	ECO	6,000 FPM	7.87in (20cm)
	100 lux			19.69in (50cm)
<b>Display</b>	Backlit LCD (Selectable)	Main Display: 6 Characters		
		Sub-display: Flash, Units, Battery, Settings		
<b>Display Update</b>	Continuous			
<b>Power Supply (AC/DC Capablility)</b>	Battery	4 each - AA, alkaline		
	Battery Life	ECO	80 min	
		Normal	20 min	
AC Adapter	AC 100V – 240V 50/60Hz 24 – 33VA (2.0A/DC5V)			
<b>Standard</b>	CE			
<b>Housing</b>	Aluminum Die Cast			
<b>Weight</b>	1.1 lb (500g)			
<b>Operating Temperature</b>	32 – 95 ° F (0-30°C)			
<b>Warranty</b>	2 Years			
<b>Accessories</b>	Carrying Case, AC Adapter, Input/Output Connector Kit, 4 - AA Battery, Manual, Warranty Card			
<b>Option</b>	AC 240VAC Power Cable, "Y" Adapter for Input/Output Trigger, Flexible Swing Arm			

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