

Series DT-326 Portable LED Stroboscope

The Series DT-326 is a portable stroboscope utilizing super bright LED's in a robust, durable all metal design. The DT-326's unique LED array provides an accurate, stable strobe light. The innovative LED design allows for a longer flash life - 5 times longer than traditional xenon flash-tubes! The DT-326 is designed for Speed (RPM) and Frequency (Hz) measurements in 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. With its intuitive "ONE HAND" controls, vast adjustable flash rate, superior brightness, focus control, silent operation, AC/DC power flexibility, the DT-326 LED Stroboscope provides a superior value in a compact, ergonomic package.



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Features

- *Wide Flash Range 60 - 120,000 Flashes/min. (1-2000Hz) can be adjusted to meet almost any high-speed application*
- *Ratio Control (Flash Pulse Duration) Adjustable Flash Pulse duration achieves sharper images for critical inspection*
- *Line or Battery Power Operation AC adapter for continuous use or (4 x AA batteries) for maximum portability*
- *Phase Shift Advance or retard flash timing for viewing gear teeth, cutting surfaces, repeats or "drifting" images*
- *Input/Output Interface Input sensor triggers or Output synchronization controls*

Easy Operation Control

Rotary Setter

Flash rate adjustment



SET

Unit change, Select parameter setting item, Store setting value

MODE

Select Internal /External/Parameter mode of operation

X2 / 1/2

Multiplies the flash rate/frequency by a factor of 2. Divides the flash rate/frequency by a factor of 2.

**PHASE
+/-**

Advance image forwards or retard image backwards 3 degrees at a time in internal mode. In parameter setting mode, change setting value

RATIO

Adjusts the flash duration (flash pulse width) in Internal/ External mode

ECO

Push once to reduce LED brightness (Economy mode) Push again to return back (Normal mode)

DT-326 Specifications

Unit	FPM (Flashes Per Minute), Hz (cycles/sec)			
Flash Rate Range	High Range	60 – 120,000 FPM, 1 – 2,000Hz		
	Low Range	60 – 12,000 FPM, 1 – 200Hz		
Flash Rate Accuracy	0.02 % ± 1 digit at 77°F (25°C)			
Flash Rate Range/Resolution	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	
Ratio (Flash Duty)	0.1 – 2.5° (/ 360°) Setting of every 0.1°			
Light Source	High Brightness LEDs			
Flash Mode	Normal and ECO(Power Saving Mode)			
Flash Delay/Phase Shift	Time: 0 – 999 ms; Angle: 0 – 359 °			
Controls	Power, Multiply by 2, Divide by 2, Phase Shift±, Ratio, ECO, Mode Setting			
External Trigger Input	Photocoupler input 12mA/DC12V			
External Clock Output	Photocoupler Output 30mA/DC30V, Pulse width 200µs			
Light Power (Illumination/Brightness)	Normal: 1,300 lux	6,000 FPM	7.87in (20cm)	
	Normal: 200 lux		19.69in (50cm)	
	ECO: 400 lux	6,000 FPM	7.87in (20cm)	
	ECO: 100 lux		19.69in (50cm)	
Display	LCD with Backlight		Main Display: 6 characters	
			Sub-display: Flash, Units, Battery, Settings	
Power Supply	4 AA Alkaline Batteries. 80 minute operation in ECO mode, 20 minute in normal operation			
	AC Adapter: AC 100V – 240V 50/60Hz 24 – 33VA (2.0A/DC5V)			
Operating Temperature	32 - 95° F (0 - 30° C)			
Dimensions	8.66" (220 mm) x 2.76" (70 mm) x 2.36" (60 mm)			
Product Weight	1.1 lbs (0.55 kg)			
Package Weight	3.8 lbs (1.72 kg)			
Certification	CE			
Warranty	2 year			
Included Accessories	Carrying Case, AC Adapter, Input/Output Connector Kit, 4 - AA Battery, Manual, Warranty Card			

Ordering Details

DT-326	Portable LED Stroboscope with AC or Battery Power, Included Protective Carrying Case
NIST-STROBE	NIST traceable certificate for digital stroboscopes, includes data (Note: Up to 99,999 fpm)

Accessories

DT-326ADP-CBL/ASY	Input/Output trigger cable
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DT-326 Viewing Machinery Motion

DT-326 in Protective Carrying Case



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