

### 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.



#### 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

<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 (25°C)			
<b>Flash Rate Range/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 (Flash Duty)</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 Output</b>	Photocoupler Output 30mA/DC30V, Pulse width 200µs			
<b>Light Power (Illumination/Brightness)</b>	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)	
<b>Display</b>	LCD with Backlight		Main Display: 6 characters	
			Sub-display: Flash, Units, Battery, Settings	
<b>Power Supply</b>	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)			
<b>Operating Temperature</b>	32 - 95° F (0 - 30° C)			
<b>Dimensions</b>	8.66" (220 mm) x 2.76" (70 mm) x 2.36" (60 mm)			
<b>Product Weight</b>	1.1 lbs (0.55 kg)			
<b>Package Weight</b>	3.8 lbs (1.72 kg)			
<b>Certification</b>	CE			
<b>Warranty</b>	2 year			
<b>Included Accessories</b>	Carrying Case, AC Adapter, Input/Output Connector Kit, 4 - AA Battery, Manual, Warranty Card			

## Ordering Details

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

## Accessories

<b>DT-326ADP-CBL/ASY</b>	Input/Output trigger cable
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DISTRIBUTED BY:



**DT-326 Viewing Machinery Motion**

**DT-326 in Protective Carrying Case**



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