

### Series DT-326B LED Stroboscope

**The Series DT-326B is a portable, light-weight stroboscope utilizing super bright high powered LED lamps.**

The DT-326B's LED array provides a bright, stable strobe light over a wide measurement range with a lifetime far exceeding xenon lit stroboscopes. Containing a rechargeable lithium battery, a single charge can last up to a full 12 hours of operation. The DT-326B is designed for speed and frequency measurements in motion and vibration analysis applications. 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, fuel injectors, vibration analysis, audio speaker analysis, spindle spinning, cutting blade timing and sharpness, plus many more in the printing, packaging, textile, automotive, cable, mining, steel, chemical, optical, medical and shipbuilding industries.

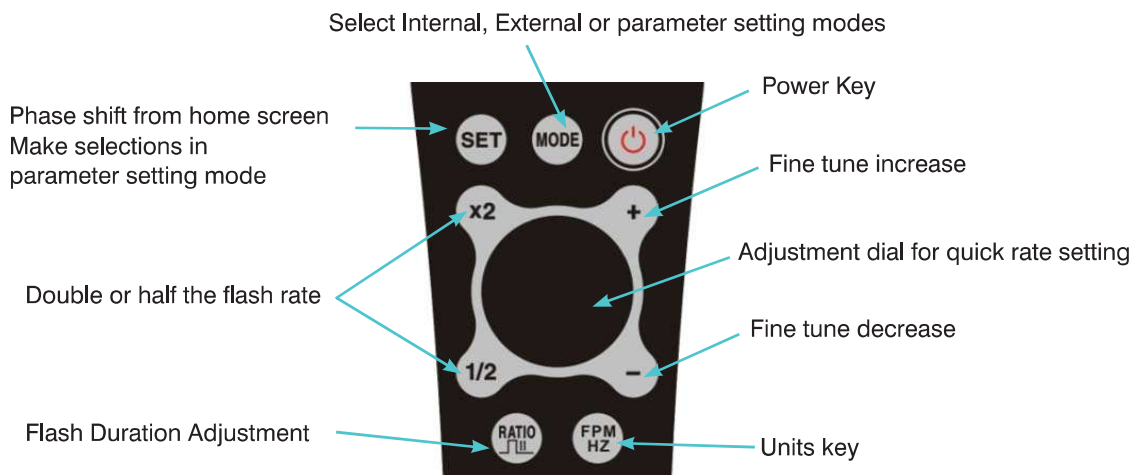


LED Panel Display  
Close-up

#### Features

- Wide Flash Range 60 - 120,000 Flashes/min. (1-2000 Hz) can be adjusted to meet almost any high-speed application
- Adjustable Flash Pulse duration achieves sharper images for detailed inspection
- 100 - 240 VAC Line Power Operation with AC adapter for continuous use or rechargeable battery for maximum portability
- Phase Shift Advances or retards flash timing for viewing gear teeth, cutting surfaces, repeats or "drifting" images
- Input sensor trigger function allows process machinery to control flash rate
- Delay time adjustment combined with leading or trailing edge activation simplifies process set-up when using external signal input
- x2 and 1/2 keys for large adjustment rate change or +/- for fine tuning
- Long-life LED operation

#### DT-326B Easy Operation Panel



## DT-326B Specifications

Flash Rate Range	60 to 120,000 FPM ; 1-2000 Hz
Accuracy	0.01%±1 digit of F.S. @ 77° F (25°C)
Lux Rating (Approx.)	6000 FPM & 2.5°: Distance 8" (20 cm) 5800 lx with 4" (100 mm) irradiation dia., Distance 20" (50 cm) 1050 lx with 6" (152 mm) irradiation dia. 1500 FPM & 2.5°: Distance 8" (20 cm) 6400 lx with 4" (100 mm) irradiation dia., Distance 20" (50 cm) 1125 lx with 6" (152 mm) irradiation dia.
Lamp Lifetime	Approximately 3~5 years depending on usage.
Display	Backlit LCD
Resolution	60 ~12,000 FPM = 0.1 FPM 12,001~120,000 FPM = 1 FPM 1~200 HZ = 0.01 Hz 201~2000 = 0.1 Hz
Flash Duration	0.1°- 2.5°
Phase Shift	0-359°
Power Requirement	100-240 VAC 50/60Hz
Battery	Lithium DC 10.8V 2000mA
Battery Life	Approx. 12 hours depending on settings
Input Signal	12 V Pulse Input
Input Signal Range	60-12,000 FPM (1-2000Hz)
Input pulse width	over 50 $\mu$ s
Input Signal Flash Delay	0-999 ms; 0-359°
Temperature Limits	32-95°F (0-35°C)
Humidity Limits	35 to 85% RH
Enclosure	ABS
Product Weight	0.84 lb (380 g)
Package Weight	3.50 lb (1.6 kg)
Dimensions	8.2 x 2.8 x 2.4" (208 x 70 x 60mm)
Approvals	CE
Warranty	1 year
Included Accessories	AC power adapter, Carrying Case

## Ordering Details

DT-326B	Portable LED Stroboscope with AC or Battery Power, Included Protective Carrying Case
NIST-LEDSTROBE	NIST traceable certificate for digital stroboscopes, includes data



DT-326B in Included  
Protective Carry Case.

**NIDEC-SHIMPO CORPORATION**

**INSTRUMENTS DIVISION** • Phone: (800) 237-7079 • Fax: (630) 924-0342 • [www.shimpoinst.com](http://www.shimpoinst.com)