

The DT-361 High-Intensity LED Stroboscope is a velocity analyzing and measuring device that is ideal for machinery process inspection. The DT-361s LED technology extends operation due to the low energy requirement of the light diodes. The light output (Lux) of the LED array is far brighter than xenon powered stroboscopes



A **Nidec** Group Company
SHIMPO

Manufacture: Shimpo

SKU: **DT-361**

Weight: 4.00 lb

Free Ground Shipping within the
48 continental US States

Please Call
(800)832-0055

Features

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The simple to use keypad plus rate adjustment dial aids in making quick changes of the flash rate to coincide with changes in the speed of your process. The dial allows fine-tune altering of the flash rate while the x2/÷2 keys enable large spanning over the entire flash range. The DT-361 has the added feature of modifying the flash duration or on time which aids in picture clarity often necessary in printing processes. The phase shift function is ideal for rotating equipment where the user needs to change the focus on different blades, gears, or section of the machinery.

Features

- Extraordinary durability with extruded aluminum, NEMA 4X (IP65) construction
- Bright LED display and simple controls aid in user operation
- Phase shift (in degrees of delay time) enables visual analysis of rotating or reciprocating objects through all points of motion/time/angle
- Flash controller dial permits accurate adjustments to the flash rate
- LED technology greatly extends operation life and eliminates need to replace burned out bulbs
- Capable of being synchronized with input signal from sensor or controller

Applications

Typical applications for using the DT-361 is to determine speeds, inspect rotors, meshing gears, vibration diagnostic equipment, textile equipment, printing production lines, industrial fan inspection and many more.

Whats included with the SHIMPO DT-361

- Stroboscope
- Input Signal Connector
- Flash-light Style Attachable Handle

Specifications

Model	DT-361	DT-365	DT-365E
Power Requirement	100 to 230 VAC		
Battery	-	NiMH battery requires approximate 2.5 hour recharge time	
Battery Life	-	Approx. 2 hrs. with flash duration set to 3.6° & 5 hrs. with duration set to 1.0°	
Range	60 to 120,000 FPM; From Input Signal 40-35,000rpm		
Accuracy	±0.02% of reading		
Lux Rating	6000 FPM & 3.6° (100 μs): Distance 8" (20 cm) 18,400 lx with 10" (250 mm) irradiation dia., Distance 20" (50 cm) 6200 lx with 13.5" (350 mm) irradiation dia. <hr/> 1500 FPM & 3.6° (400 μs): Distance 8" (20 cm) 15,000 lx with 10" (250 mm) irradiation dia., Distance 20" (50 cm) 6000 lx with 13.5" (350 mm) irradiation dia.		
Lamp Lifetime	Typically 50,000 hours. Varies depending on usage.		
Display	6 digit Red LED		
Resolution	Internal Mode 1 FPM; External Mode 0.1 FPM		
Flash Duration	0.1 to 3.6° (0.14 μsec to 400 μsec)		
Phase Shift	0 to 999 msec; 0 to 359°		0 to 359°
Synchronization Input Signal	H level: 2.5 - 12V; L level: 0 - 0.4V		NPN Open Collector 12-24 VDC
Input Signal Range FPM (RPM)	40 – 35,000		
Input Signal Flash Delay FPM (RPM)	60-10,000		
Input Signal	12V pulse input		NPN open collector DC30V, 50 mA

Power Supply Output	DC12V 40mA for sensor input		
Temperature Limits	32 to 95°F (0 to 35°C)		
Humidity Limits	35 to 85% RH		
Protection Class	NEMA 4X (IP65)		
Product Weight	4 lbs (1.8 kg)	4.6 lbs (2.1 kg)	
Package Weight	6 lbs (2.72 kg)		
Approvals	RoHs		
Warranty	2-Year		
Included Accessories	Input Signal Connector, flash-light style attachable handle	AC power adapter, Input signal connector, flash-light style attachable handle	AC power adapter, flash-light style attachable handle

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