

Series DT-329 LED Stroboscope

Series DT-329 Linear Stroboscope with High Brightness LED's

No other strobe on the market delivers a crisper, clearer image across all flash rates with such a high brightness. From its LED technology, even at ultra high cycle rates to 120,000 (FPM), the service life of the DT-329 is 5x's greater than many traditional stroboscopes which incorporate xenon flash tubes. Unlike xenon flash tubes, the LED's produce no sound when in use; an added benefit and perfect for audio and speaker research. The DT-329 is ideal for wide and narrow web printing, motion and machine vibration analysis, audio (speaker) research, pulp and paper manufacturing and a wide range of rolling mill applications. Easy to mount and set up, the DT-329's design provides for daisy chain and external triggering methods. Phase shifting (flash advance/delay in degrees and mSec), external and internal flash control, and a back-lit LCD display provides the operator an easy to use visual inspection tool to monitor production quality under all line speeds.

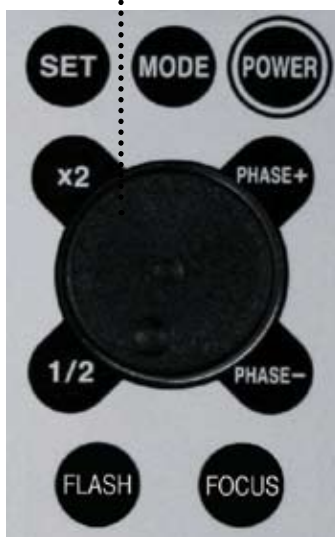


DT-329 Viewing Labeling Operation

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

FLASH

Flash On/Off

FOCUS

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

DT-329 Specifications

Unit	FPM (Flashes Per Minute), Hz			
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	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 Delay	Time: 0 – 999 ms; Angle: 0 – 359°			
External Trigger Input	Photocoupler input 12mA/DC12V			
External Clock Output	Photocoupler Output 30mA/DC30V, Pulse width 200µs			
Light Power (Illumination/Brightness)	1,250 lux	6,000 FPM	7.87in (20cm)	
	700 lux		19.69in (50cm)	
	1,950 lux	120,000 FPM	7.87in (20cm)	
	860 lux		19.69in (50cm)	
Display	LCD with Backlight		Main Display: 6 characters	
			Sub-display: Flash, Units, Battery, Settings	
Power Supply	AC 100V – 240V 50/60Hz			
Product Weight	11 lbs (5 kg)			
Package Weight	17.6 lbs (7.98 kg)			
Operating Temperature	32 - 95° F (0 - 30° C)			
Warranty	2 year			
Included Accessories	AC cable, 1 Input Connector, 1 Output Connector, Manual, Warranty Card			

Ordering Details

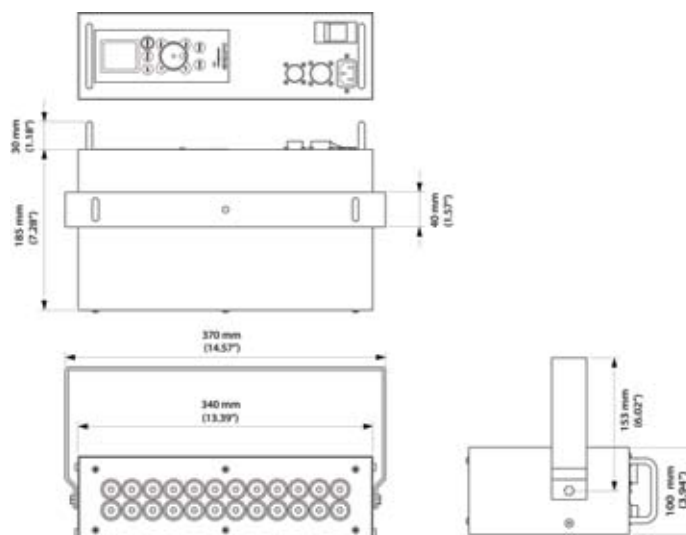
DT-329	Linear Stroboscope with High Brightness LED's.
NIST-STROBE	NIST traceable certificate for digital stroboscopes, includes data (Note: Up to 99,999 fpm)

Accessories

CABLE-DT329-INPUT	Input Cable
CABLE-DT329-LINK	Daisy Chain Cable
CABLE-DT329-OUTPUT	Output Cable

DISTRIBUTED BY:

DT-329 Dimensions



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