

Versatile Digital Stroboscopes
Brand: Nidec Shimpo – Japan
Model DT-311N



Introduction:

The flashes enable high-accuracy rotational speed measurement and stop motion analysis. The device provides a wide measuring range from 40.0 to 35,000 rpm. With a phase adjustment function, it is possible to move an image while maintaining synchronization. Provided with an external signal connector as a standard feature, synchronization and delayed flash using external signals are also possible. A xenon lamp is used as the light source.

Features:

A wide measuring range

The high-accuracy flashing enables measurement covering a wide range between 40.0-35,000 rpm.

Provided with a phase adjustment function

It is possible to move an image while maintaining synchronization.

The standard feature of an external signal connector is provided for synchronization and delayed flash using external signals.

Provided with a memory function

The flashing frequency is memorized at the time of turning off the power and recalled when the power is turned on next time.

Measuring/flashing range	40.0-35,000 rpm (0-35,000 in the external synchronization mode)
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Model		DT-311N	DT-315N
Number of flashes (rpm)		40.0 to 35000 0 to 35000 in external sync mode	
Internal oscillation mode	Display decomposition function	0.1: 40.0 ~ 5000 0.2: ~ 8000 0.5: ~ 10000 1: ~ 35000	
	Jump function	Yes (Pressing the dedicated switch doubles or doubles the number of flashes)	
	Integer function	Yes (display decimals, do not set)	
	Memory function	Yes (memorizes the number of flashes when the power is turned off, and then flashes at that number of flashes when the power is turned on)	
External sync mode	input signal	Voltage input H level: 2.5V to 12V L level: 0.8V MAX Pulse width 50μs or more Input impedance 10kΩ or more	
	Speed measurement function	40.0 to 35000 rpm (disabled during delayed flash)	

	Delayed emission	In the range of 40.0 to 10000 rpm , the delay angle can be set every 0 to 359 ° 1 °, or the delay time can be set every 0 to 2000 ms 1 ms.	
	display	5-digit red LED 7 segment	
	Synchronous output signal	12V voltage signal Pulse width approx. 400µs	
	Setter	Multi-rotation encoder, tact switch	
	Flash light source	Xenon lamp	
	Lamp input	10W	
	Power supply	AC100-120V	Rechargeable (dedicated NiCd battery) Light emission for about 1 hour continuously or attached AC adapter g (quick charge for 2 hours) AC100V ± 10%
	Luminous timer	Continuous lighting or stop flashing after a set time of 1 to 120 minutes	
	Power output for sensor	DC12V 40mA	
	Power cord	2.4m	—
	Operating temperature	0-40 °C	
	Mass	1.2kg	2.1kg
	Accessories	Pistol grip	Dedicated adapter