

## DT-315P Battery Powered, NEMA 4X Stroboscope

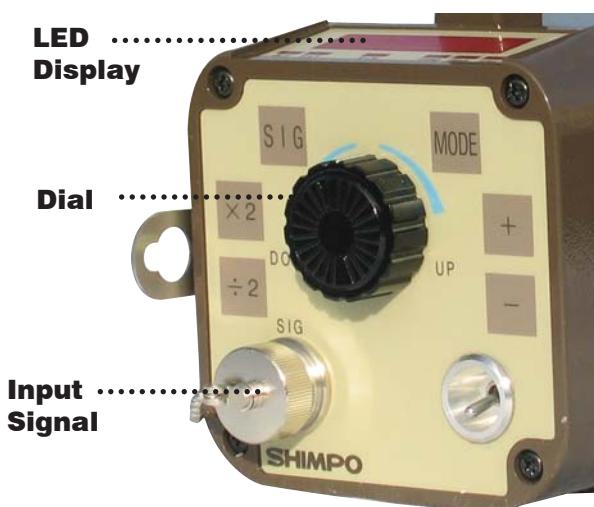
**Series DT-315P Battery Powered, NEMA 4X Stroboscope for Harsh Applications.** The DT-315P is a rugged, sealed NEMA 4X (IP65) Stroboscope suitable for working in areas without AC power. The DT-315P works just like the DT-315A battery operated strobe. Equipped with Phase shifting in angle of delay (0-359 degrees) and flash time delay, (0-300 mSEC) the DT-315P is engineered for checking timing and wear on rotating and reciprocating machinery. With its rugged, metal body and NiCd rechargeable battery, the DT-315P provides the maintenance and quality professional a rugged, accurate strobe-tach for inspection on presses, conveyers, gear reducers, chain drives, fuel injectors, paint spray patterns, and many other harsh environment, industrial applications.



### Features

- *Extruded aluminum, NEMA 4X construction: Extraordinary durability yields long service life*
- *Internal battery supply: Lightweight; enables easy portability*
- *Repeatable accuracy ( $\pm 0.01\%$  of reading): Fully meets the strictest tolerances*
- *Phase shift (in degrees of delay time): Enables visual analysis of rotating/reciprocating objects through all points of motion/time/angle*
- *Flash timer control: Prolongs flash tube life*
- *Manual flash controller knob: Permits easy/accurate adjustments to flash rate*
- *Continuous duty cycle: Eliminates downtime waiting for unit to cool*
- *Highly polished focused reflector: Prevents “blind” viewing areas*

### Easy Operation Control



SIG	Change Operation from INTERNAL to EXTERNAL flash control
MODE	Internal Signal “MODE” (Flash) or External Trigger Control LED Changes to Indicate FPM (flash/min.), flash delay in degrees and flash delay in milliseconds
X2 / ÷2	Adjust Flash Rate Settings Fast X2 or $\div 2$ flash rate setting when in “Internal” mode
+/ -	Phase “SHIFT” Advance or Retard viewed motion in degrees or milliseconds

## DT-315P Specifications

<b>Internal Mode</b>	<b>Flashing Range</b>	60.0 ~ 3,000 FPM
	<b>Display Accuracy</b>	±0.01%
	<b>Drift</b>	± 0.01 (at 0 ~ 40° C)
	<b>Phase Shift</b>	Use +/- push buttons (360° in 6 seconds)
	<b>Display Update Time</b>	0.2 sec approx
	<b>Output Signal</b>	Approx. 12V
	<b>Other Functions</b>	÷2. x2 Flashings, Phase shift adjustment
<b>External Mode</b>	<b>Flashings</b>	Synchronous Mode: 60.0 ~ 3,000FPM / Delay mode:200 ~ 3,000 FPM
	<b>Delay Angle Setting Range</b>	Delay Mode: 0 ~ 359°, Set by 1°
	<b>Display</b>	RPM, Synchronous mode: 60.0 ~ 3000FPM Delay Angle, Delay mode: 0 ~ 359° or 0 ~ 300mS conversion display
	<b>Display Accuracy</b>	Synchronous mode: ± 0.01% plus ± 1 digit Delay mode: ± 0.2mS plus ± 1 digit
	<b>Update Time</b>	1 per second
	<b>Input Signal</b>	H Level:2.5 ~ 12V L level:0 ~ 0.4V 50 μs or over for H.L. level Trigger at rising edge Approx. 10Ω impedance
	<b>Sensor Power</b>	Battery:6.8 ~ 11.0V Adapter:10.2 ~ 12.2V DC:9 ~ 14.5V : 7.8 ~ 14.1V Max. 40mA (including max 0.6V Ripple)
<b>General</b>	<b>Setter</b>	Flashing, Delay angle: Jog Shuttle Mode, Display Unit: Tact Switch
	<b>Display</b>	5 digit, 7 segment red LED (Character height 10mm)
	<b>Flashtube</b>	Xenon lamp TFU-100B-A32
	<b>Flashtube Power</b>	Max. 10W
	<b>Flashing Time</b>	Approx. 30 μ sec
	<b>Power</b>	Battery: Nicd battery, 8KR - 2000 sce SANYO, Operating time: Approx. 1 hour (full charge at 3000 FPM); Battery Charge Time: Approx. 10 hours Do not operate over 10 hours continuously External power: Disconnect the built-in battery before operating instrument by external power) DC9 14.5V, Max. 24W (current consumption is 24W/input voltage) or operate by provided adapter; AC115V 10%, 50/60 Hz Max. 40VA
	<b>Operating Temperature</b>	32 to 104 °F (0 to 40° C)
	<b>Power Requirement</b>	Power Plug & Cable for Recharging Battery Included
	<b>Product Weight</b>	Approx. 4.6 lbs (2.1 kg)
	<b>Package Weight</b>	6.15 lbs (2.79 kg)
	<b>Dimensions</b>	5.11" W x 6.22" H x 10.20" L (130 W x 158 H x 259 L mm)
	<b>Warranty</b>	2-Year
	<b>Included Accessories</b>	Input/Output signal plug, rechargeable battery with AC adapter, protective case

### Ordering Details

<b>DT-315P</b>	Harsh Environment NEMA 4X (IP65) Stroboscope with Included rechargeable battery, power cable and protective case
<b>NIST-STROBE</b>	NIST traceable certificate for digital stroboscopes, includes data

### Accessories

<b>BAT-DT315A/P</b>	Internal battery for DT-315P
<b>DT-315P-CHGR</b>	AC adapter/charger for DT-315P
<b>FLASHTUBE-311-2</b>	Replacement flash tube for DT-315P
<b>SAS-DT300</b>	Permanent mount swing arm

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