

DT-315P Battery Powered, NEMA 4X Stroboscope

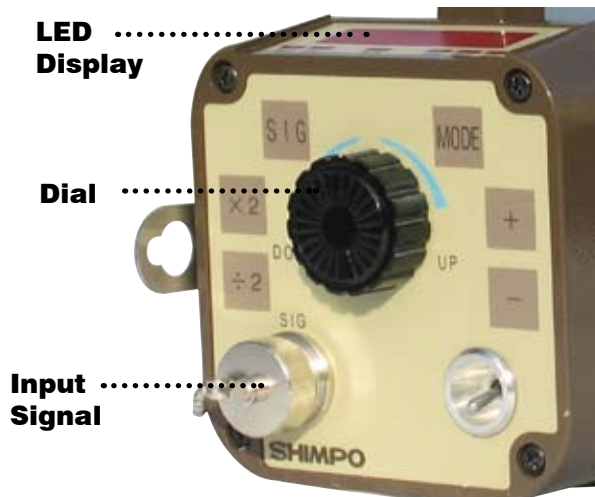
Series DT-315P Battery Powered, NEMA 4X Stroboscope for Harsh Applications. The DT-315P is a rugged, sealed NEMA 4X (IP65) Stroboscope suitable for working in areas without AC power. The DT-315P works just like the DT-315A battery operated strobe. Equipped with Phase shifting in angle of delay (0-359 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 ÷2 flash rate setting when in "Internal" mode

+/-

Phase "SHIFT" Advance or Retard viewed motion in degrees or milliseconds

DT-315P Specifications

Internal Mode	Flashing Range	60.0 ~ 3,000 FPM
	Display Accuracy	±0.01%
	Drift	± 0.01 (at 0 ~ 40° C)
	Phase Shift	Use +/- push buttons (360° in 6 seconds)
	Display Update Time	0.2 sec approx
	Output Signal	Approx. 12V
	Other Functions	÷2. x2 Flashings, Phase shift adjustment
External Mode	Flashings	Synchronous Mode: 60.0 ~ 3,000FPM / Delay mode:200 ~ 3,000 FPM
	Delay Angle Setting Range	Delay Mode: 0 ~ 359°, Set by 1°
	Display	RPM, Synchronous mode: 60.0 ~ 3000FPM Delay Angle, Delay mode: 0 ~ 359° or 0 ~ 300mS conversion display
	Display Accuracy	Synchronous mode: ± 0.01% plus ± 1 digit Delay mode: + 0 -0.2mS plus ± 1 digit
	Update Time	1 per second
	Input Signal	H Level:2.5 ~ 12V L level:0 ~ 0.4V 50 μs or over for H.L. level Trigger at rising edge Approx. 10Ωimpedance
	Sensor Power	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)
	Setter	Flashing, Delay angle: Jog Shuttle Mode, Display Unit: Tact Switch
General	Display	5 digit, 7 segment red LED (Character height 10mm)
	Flashtube	Xenon lamp TFU-100B-A32
	Flashtube Power	Max. 10W
	Flashing Time	Approx. 30 μ sec
	Power	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
	Operating Temperature	32 to 104 °F (0 to 40° C)
	Power Requirement	Power Plug & Cable for Recharging Battery Included
	Product Weight	Approx. 4.6 lbs (2.1 kg)
	Package Weight	6.15 lbs (2.79 kg)
	Dimensions	5.11" W x 6.22" H x 10.20" L (130 W x 158 H x 259 L mm)
	Warranty	1 year
	Included Accessories	Input/Output signal plug, rechargeable battery with AC adapter, protective case

Ordering Details

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

Accessories

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

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