

DT-315P Battery Powered, NEMA 4X Stroboscope

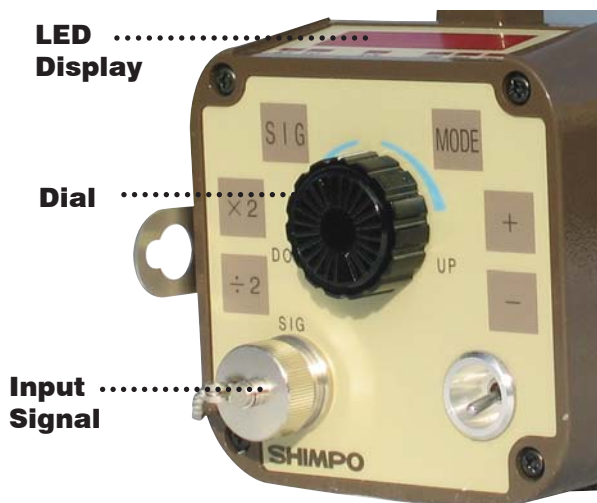
Series DT-315P Battery Powered, NEMA 4X Stroboscope for Harsh Applications. The DT-315P is a rugged, sealed NEMA 4X (IP65) Stroboscope suitable for working in areas without AC power. The DT-315P works just like the DT-315A battery operated strobe. Equipped with Phase shifting in angle of delay (0-359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