DT-3015N Portable Stroboscope with Rechargeable Battery

DT-3015N Heavy Duty, Portable Stroboscope with Rechargeable Battery. The DT-3015N heavy duty, battery powered stroboscope possesses the same great features of the DT-3011N with the added convenience of total portability via its own internal power supply. The quick recharge battery lasts up to three hours of full continuous usage with its high intensity flash rate. The DT-3015N provides power flexibility by utilizing either its rechargeable internal, batteries or AC line-power when plugged into the included AC adapter/charger unit. These features make the DT-3015N ideal for quality inspection and preventive maintenance of automated motion equipment.

Features

- Internal, fast-charge rechargeable battery supply
- Aluminum construction provides exceptional durability
- High polish and focused reflector eliminates "blind" viewing areas
- External trigger allows unit to be automatically synchronized with equipment
- Light emission auto-off feature from 1 - 120 min enables extended battery operation
- Phase shift, set in degrees or ms, allows visual analysis of rotating/reciprocating objects
- Save up to 5 user configurations to enable switching quickly between machinery
- Synchronous output enables strobe to drive other strobes
- Easy tri-pod or permanent mounting with integral mounting thread

Easy Operation Control

Control	Description
POWER	Turns power ON/OFF
DIAL	(Lamp Power) Turn clockwise or counterclockwise to change the emission frequency and some setting values. Press and hold the center to turn the lamp ON/OFF.
MODE	Press this to switch the LED display as follows: Flashes Per Minute mode (FPM mode) > Phase Shift mode (PHA mode DEG = delay angle) > Phase Shift mode (PHA mode ms = delay time)
LOAD	Press to load the saved settings. Also Press and hold to save the current display and mode settings.
SIG	Select Internal or External parameter modes. Internal flash emission changes with DIAL; External flash rate is synchronized with external sensor signal
UNIT	Each press switches the delay type as follows: delay angle (DEG) > delay time (ms)
x2	Press in INT to double the current set emission count (frequency).
÷2	Press in INT to halve the current set emission count (frequency).

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DT-3015N Specifications

Flashing Range	40.0 - 35,000 fpm (flashes per minute)
Accuracy	±0.05 % of reading
Resolution	30.0 to 5000.0 : 0.1 fpm; 5001.0 to 8000.0 to 0.2 fpm; 8001.0 to 10000.0 : 0.5 fpm; 10001.0 to 35000.0 : 1.0 fpm
Lux Rating	8" (20 cm) Distance = 1950 lx @ 1500 fpm, 2000 lx @ 6000 fpm with 8" (203 mm) irradiation diameter. 20" (50 cm) Distance = 725 lx @ 1500 fpm, 850 lx @ 6000 fpm with 12" (305 mm) irradiation diameter.
Lamp Lifetime	Typ.1200 hours at 1500 fpm
Display	6-digit, 7 segment red LED
Flash Duration	30 μsec
Phase Shift	0 to 359˚ set by 0.1˚ resolution; 0.00 to 999.99 msec set by 0.01 msec resolution, 1000.0 to 1994.4 msec set by 0.1 msec resolution
Power Requirement	100 to 240 VAC 50/60Hz
Battery	NiMH battery- Approximate 2 hour time to full charge
Battery Life	Approx. 3 hours (when the emission count is 1500 FPM)
Input Signal	H level: 2.5 – 12 V; L level: 0 – 0.5 V Pulse width : 50 μs or more Input impedance : 10 kΩ or more
Input Signal Range	27 to 35,020 fpm (1 fpm resolution) with available delay setting in degree or msec
Sensor Power Supply	DC 12 VDC 40 mA
Temperature Limits	32 to 104°F (0 to 40℃)
Humidity Limits	35 to 85% RH (Non- condensing)
Product Weight	4.2 lbs (1.9 kg)
Package Weight	7.35 lbs (3.3 kg)
Approvals	RoHS
Warranty	1-Year
Included Accessories	Input Signal Connector, Charger Adapter with cable.

Ordering Details

DT-3015N	Heavy duty, rechargeable battery powered stroboscope
DT-3015N-EU	Same as DT-3015N except with 230V power
NIST-STROBE	NIST traceable certificate for digital stroboscopes, includes data

Accessories

SG-300	Rubber strobe guard for DT-315A
CABLE-361-10FT	Daisy chain syncing connection cable for DT-3015N stroboscopes, 10 ft length

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