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NICOL SCALES & MEASUREMENT

AN ISO/IEC 17025:2017
ACCREDITED CALIBRATION COMPANY

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NICOL SCALES & MEASUREMENT IS AN ISO ACCREDITED CALIBRATION COMPANY THAT HAS PROVIDED CALIBRATION, REPAIR AND SALES OF ALL TYPES OF WEIGHING AND MEASUREMENT PRODUCTS SINCE 1931.

SHIMPO INSTRUMENTS

Measuring Quality

DT-735 Portable, Stroboscope with Rechargeable Battery

The DT-735 is a portable, highly stable, industrial-quality stroboscope for non-contact inspection and observation of moving parts by providing the user the illusion of stopped or slowed down equipment movement.

Constructed with a rugged, metal enclosure, the DT-735's withstand harsh industrial usage. The internal rechargeable battery and included top and bottom handles aid in portability and usage flexibility. The control adjustment settings allow the flash rate to be readily altered by the user to visually inspect rotating or reciprocating machinery such as gear teeth, rotors, shafts, rewinders, printing presses, etc. all without stopping production. These features make the DT-735 ideal for quality inspection and preventive maintenance of automated motion equipment.



Features

- *Bright LED Display aids viewing in poorly lit areas.*
- *Light Weight, compact design.*
- *Easy adjustment with flash dial combined with x2/divide 2 and fine tuning +/- buttons enables precise flash setting.*
- *Internal, fast-charge rechargeable battery supply.*
- *Includes top and bottom handle to allow user operation preference.*

Easy Operation Control



+/-	Increase/Decrease the flash rate in FPM or Hz
X2	Doubles the flashing rate
1/2	Decreases by half the flashing rate
SIG	Switches between internal control panel operation and external sensor input
MODE	Switches between flashes per minute (FPM) and Hertz (Hz)

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Specifications

Flashing Range	60-12,000 fpm (flashes per minute)
Accuracy	±0.01% F.S.
Resolution	0.1 from 60-6,000; 1 from 6,001-12,000
Display	5 digits 0.4" (10 mm) height
Flashtube Power/Life	Xenon ≤ 45 W / 50,000,000
Flash Duration	10-30 μs automatically adjusts with flash rate
External Trigger Input	5 V dc ~ 12 Vdc pulse signal input (high level trigger) from sensor
Sensor Power Supply	12 V dc up to 50 mA
Input Pulse Width	Over 50 μsec
Lux Rating	8" (20 cm) Distance = 1550 lx @ 1500 fpm, 2350 lx @ 6000 fpm with 15.5" (400 mm) irradiation diameter. 20" (50 cm) Distance = 650 lx @ 1500 fpm , 580 lx @ 6000 fpm with 23.5" (600 mm) irradiation diameter
Battery	Ni-MH
Battery Life	1.5 to 2 hours depending on settings
Time to Charge Battery	5 hours to full charge
Power Requirement	100-240 VAC 50/60 Hz
Operating Temperature	32 - 104°F (0 - 40°C)
Dimensions	9.8 x 4.7 x 4.7" (250 x 120 x 120 mm)
Product Weight	2.75 lb (1.25 kg)
Package Weight	4.1 lbs (1.86 kg)
Warranty	1 year
Certification	CE, RoHS
Included Accessories	Upper and Lower Handle, AC charger with cable, 3 pin female M16 threaded connector

Ordering Details

DT-735	Portable, Light Weight Stroboscope with Rechargeable Battery
DT-735-KIT	Same as DT-735, spare flash tube, protective carrying case
NIST-STROBE	NIST traceable certificate for digital stroboscopes, includes data

Accessories

CARRY-CASE735	Protective carrying case for DT-735
DT-CHRG-735	Universal Power Charger/Adapter. 100-240 VAC, 50/60 Hz.
DT-CBL-2-EU	Power cable with EU plug connection
FLASHTUBE735	Replacement flashtube for DT-735
BAT-735	Replacement Battery for DT-735
735-EXTSIG-CBL	3 Pin External Signal Input Cable for DT-735
SG-735	Rubber Strobe Guard for DT-735

DT-735-KIT with Protective Carring Case



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