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A **Nidec** Group Company
SHIMPO

Manufacture: Shimpo

SKU: **DT-315A**

Weight: 4.00 lb

Free Ground Shipping within the
48 continental US States

Please Call
(800)832-0055

Features

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FEATURES

- Extruded aluminum construction
- Exceptional durability
- Internal battery supply
- Allows 4 hours of continuous duty on 1 charge
- Continuous duty cycle
- Prevents downtime waiting for unit to cool
- Phase shift (in degrees of delay time)
- Enables observer to focus on one particular area of rotating and/or reciprocating machinery
- Repeatable accuracy ($\pm 0.01\%$ of reading)
- Provides reliable measurement results
- Microprocessor-controlled

- Assures stability in changing temperature environments
- External trigger
- Unit is automatically synchronized with equipment
- Synchronous output
- Enables unit to drive other strobes
- Flash timer control
- Extends flash tube life
- Highly polished focused reflector
- Eliminates “blind” viewing areas
- Manual flash controller knob
- Permits easy/accurate adjustments to flash rate
- Fast recharge cycle
- Minimizes downtime to only 2 hours

Specifications

Model	DT-315A	DT-315A-230V
Power Requirement	115 VAC	220 VAC
Flashing Range	40.0 – 35,000 fpm (flashes per minute)	
Accuracy	±0.01 % of reading	
Resolution	0.1 fpm: 40.0 – 5,000 fpm 0.2 fpm: 5,001 – 8,000 fpm 0.5 fpm: 8,001 – 10,000 fpm 1 fpm: 10,001 – 35,000 fpm	
Phase Shift	Use +/- push buttons (360° in 6 seconds)	
Display Update Time	0.2 sec approx	
Output Signal	Synchronous, 400 µsec. Pulse output, 0 to +12 VDC amplitude(approx.), 4.7 KO impedance	
Rate Multiplier/Divide	0.0 to 35,000 fpm	
Flashing Range	Synchronous Mode: 60.0 ~ 3,000FPM / Delay mode:200 ~ 3,000 FPM	
External Mode Accuracy	±0.01 % ±1 digit	
Phase Shift	0 to 359° with 1° resolution	
Delay Time	0 to 2,000 mSec from 40 – 10,000 fpm	
External Trigger Input Signal	LO level: 0 -0.8 VDC, HI level: 2.5 – 12 VDC or open collector (NPN),pulse width 50 µsec min.	
Input Impedance	4.7 KO to 12 V / 6.8 KO to 0 V	
Display	5 digits, 0.4” (10 mm) high, LED	
Flashtube Power/Life	Xenon, 10 W max. (100 million flashes)	
Flash Duration	10 to 40 µs automatically adjusts with flash rate	

8" (20 cm) Distance = 4500 lx @ 1500 fpm, 3375 lx @ 6000 fpm with 4.5" (110 mm) irradiation diameter.

Lux Rating

20" (50 cm) Distance = 1300 lx @ 1500 fpm, 930 lx @ 6000 fpm with 10" (250 mm) irradiation diameter.

Sensor Power Supply

12 VDC (40 mA)

Low Battery Indicator

Display shows all L's

Battery Life

1 – 2 hours depending on flash rate

Power Requirement

Rechargeable Battery or AC Line Power with included AC adapter

Operating Temperature

32° – 104°F (0 – 40°C)

Dimensions

9.84" L x 4.72" W x 4.72" H (250 mm x 120 mm x 120 mm)

Certification

CE

Included Accessories

AC charger/adapter, flash tube removal tool, handle

i81u812

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