

# SHIMPO Handheld Stroboscopes

## DT-315A Rechargeable Stroboscope

The DT-315A heavy duty, rechargeable battery powered stroboscope possesses the same great features of the DT-311A with the added convenience of total portability via its own internal power supply. The quick recharge battery lasts up to two hours of full continuous usage at its high intensity flash rate. The DT-315A provides power flexibility by utilizing either its rechargeable internal battery or AC line power when plugged into the included AC adapter/charger unit. These features make the DT-315A ideal for quality inspection and preventive maintenance of automated motion equipment.

### Features

- Internal, fast-charging rechargeable battery supply
- Aluminum construction provides exceptional durability
- Highly polished and focused reflector eliminates “blind” viewing areas
- External trigger allows unit to be automatically synchronized with equipment\*
- Continuous duty cycle eliminates need to shut down for cooling
- Phase shift allows visual analysis of rotating/reciprocating objects
- High accuracy ( ±0.01% of reading ) is ideal for QC inspection and process control
- Synchronous output enables strobe to drive other strobes.\*
- Flash timer control conserves flash tube life
- Easy tripod or permanent mounting with 1/4-20 UNC x 5/16 in. deep integral mounting thread
- 2-year warranty

\* Requires additional cables and / or accessories not available from AutomationDirect. Contact Shimpo Instruments at (800) 237-7079 or [www.shimpoinst.com/contact-us](http://www.shimpoinst.com/contact-us)



DT-315A



DT-315A Rechargeable Stroboscope		
Part Number	Description	Price
DT-315A	Heavy-duty digital stroboscope, battery powered with 120VAC charger, 5-digit LED display	\$678.00

### Accessories

DT-315A Series Accessories		
Part Number	Description	Price
DT-CARRYING-CASE	Carrying case for DT-311A or DT-315A stroboscopes	\$79.00
FLASHTUBE311-2	Replacement flashtube for DT-311A or DT-315A stroboscopes	\$44.00
DT-SG-300	Rubber strobe guard for DT-311A or DT-315A stroboscopes	\$92.00
BAT-DT315A-P	Replacement internal battery for DT-315A stroboscope	\$108.00
DT-315CHARGER	Replacement AC adapter / charger for DT-315A stroboscope, 100-240 VAC	\$103.00

DT-315A Specifications	
<b>Flashing Range</b>	40 - 35,000 FPM (flashes per minute)
<b>Accuracy</b>	±0.01 % of reading
<b>Resolution</b>	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
<b>Display Update Time</b>	0.2 seconds approximate
<b>Output Signal</b>	Synchronous, 400 µsec Pulse output, 0 to +12 VDC amplitude (approx.), 4.7 K Ω impedance
<b>Rate Multiplier / Divider</b>	Multiply by 2, Divide by 2
<b>External Mode Accuracy</b>	±0.01 % ±1 digit
<b>Phase Shift</b>	0 to 359° with 1° resolution
<b>Delay Time</b>	0 to 2,000 msec from 40 - 10,000 FPM
<b>External Trigger Input Signal</b>	LO level: 0 - 0.8 VDC, HI level: 2.5 - 12 VDC or open collector (NPN), pulse width 50 µsec min.
<b>Input Impedance</b>	4.7 KΩ to 12 V / 6.8 KΩ to 0 V
<b>Display</b>	5 digit, 0.4 in. (10 mm) high, LED
<b>Flashtube Power/Life</b>	Xenon, 10 W max. (100 million flashes)
<b>Flash Duration</b>	10 - 40 µsec
<b>Sensor Power Supply</b>	12 VDC (40 mA)
<b>Battery Life</b>	1 - 2 hours depending on flash rate
<b>Power Requirement</b>	Rechargeable Battery or AC Line Power with included AC adapter
<b>Operating Temperature</b>	32 - 104°F (0 - 40°C)
<b>Weight</b>	4.4 lbs (2 kg)
<b>Dimensions</b>	9.84 in. L x 4.72 in. W x 4.72 in. H (250 mm x 120 mm x 120 mm)
<b>Agency Approvals</b>	CE
<b>Construction</b>	Aluminum



FLASHTUBE311-2



DT-SG-300



DT-CARRYING-CASE



BAT-DT315A-P



DT-315CHARGER