

# SHIMPO Handheld Stroboscopes

## DT-725 Rechargeable Stroboscope

The DT-725 portable, lightweight stroboscope with rechargeable battery possesses many of the same features as the DT-300 Series Stroboscopes, but are lighter in weight. Constructed of strengthened high-impact plastic, these rugged units are exceptionally reliable and withstand the same harsh conditions as more expensive units. Employing its unique phase shifting feature, the DT-725 "freezes" rotating or reciprocating machinery for visual inspection of covered gear teeth, shafts, oil/fuel/ink injector patterns, and print media; all without stopping production.

These features make the DT-725 ideal for quality inspection and preventive maintenance of automated motion equipment. Units can be ordered separately or as a convenient kit.

### Features

- Bright LED display aids viewing in poorly lit areas
- Lightweight design
- 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
- Easy adjust flash rate controller dial
- Synchronous output enables strobe to drive other strobes\*
- Easy tripod or permanent mounting with 1/4-20 UNC x 5/16 in. deep integral mounting thread
- Internal, fast-charging rechargeable battery supply
- 2-year warranty

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



DT-725

DT-725 Rechargeable Stroboscope		
Part Number	Description	Price
DT-725	Lightweight digital stroboscope, with rechargeable internal battery	
DT-725KIT	Lightweight digital stroboscope kit, DT-725, fast charger, case. Replacement charger can be purchased from Shimpo Instruments, part number DT-725UNPS.	

DT-725 Specifications	
Flashing Range	40.0 - 12,500 FPM (flashes per minute)
Accuracy	±0.02 % of reading
Resolution	0.1 FPM: 40.0 - 4,999 FPM 0.2 FPM: 5,000 - 7,999.9 FPM 0.5 FPM: 8,000 - 9,999.5 FPM 1 FPM: 10,001 - 12,500 FPM
Phase Shift	Use +/- push buttons (360° in 6 seconds)
Display Update Time	Ext. mode: varies with flashing rate
Output Signal	NPN open collector (24 VDC max., 50 mA), 150 µsec typical
Rate Multiplier / Divider	Multiply by 2, Divide by 2
External Trigger Input Signal	a) 12 - 24 VDC thru a 3-wire NPN output sensor (requires external power) b) 12 VDC thru a 2-wire proximity sensor (leakage current 1 mA max., load current 8 mA min.) c) Switch or relay contact
Display	5 digits, 0.4 in. (10 mm) high, LED
Flashtube Power/Life	Xenon, 10 W max. (100 million flashes)
Flash Duration	10 - 15 µsec
Low Battery Indicator	Flashing LED
Battery Life	1 - 2 hours depending on flash rate
Power Requirement	115 VAC ±10% 60/50 Hz / Internal battery pack*
Operating Temperature	32 - 104°F (0 - 40°C)
Weight	2.75 lbs (1.25 kg)
Dimensions	8.98 in. L x 4.33 in. W x 8.54 in. H (228 mm x 110 mm x 217 mm)
Agency Approvals	CE
Construction	ABS Plastic
*Note - Batteries are not field replaceable. For battery replacement contact Shimpo Instruments at (800) 237-7079.	

### Accessories

DT-725 Accessories		
Part Number	Description	Price
FLASHTUBE721	Replacement flashtube for DT-725 stroboscope	



FLASHTUBE721