



AC or Battery Operated Models

These stroboscopes are designed for quality control, motion analysis, vibration problems, maintenance work, experiments in engineering school projects, production line checks, examination and speed measurement of motors under various loads, gear movement and engagement, alignment of parts, cams, propellers, fan blades, centrifuges, spindles, turbines and other machinery exhibiting repetitive motion. They also can provide pertinent information on the motion of vibrating parts, oil leaks, liquid spray patterns and a host of other industrial and scientific applications. Unique instruments for the printing industry to check color registration, ink integrity, clarity, etc.

The DT-721 and DT-725 feature phase shifting, floating decimal point and LED digital display, slave functions and manual flash rate control. As electronic digital tachometers, they measure RPM without contact or special markings.

- Available as Strobe KIT
- Plastic housing with strength members
- Phase shift
- External trigger
- Unique rotary pulse indicator
- Lightweight design (only 2.75 lb. for DT-725)

SPECIFICATIONS		
Model	DT-721 (AC)	DT-725 (DC)
Flashing Range	40.0 - 12,500 FPM (flashes per minute)	
Accuracy	± 0.02% of reading	
Resolution	0.1 FPM: 40.0 - 4,999.9 FPM 0.2 FPM: 5,000 - 7,999.8 FPM 0.5 FPM: 8,000.0 - 9,999.5 FPM 1 FPM: 10,000 - 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 supply) 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, 0.3" (8 mm) high, LED	
Flash Tube Power/Life	Xenon, 10W max. (100 million flashes)	
Flash Duration	10 - 15 µsec	
Sensor Power Supply	None	
Low Battery Indicator	N/A	Flashing LED
Power Requirement	115 VAC or 220 VAC ± 10% 60/50 Hz	Internal battery pack
Operating Temperature Range	32° - 104°F (0 - 40°C)	
Weight	1.5 lb (0.7 kg)	2.75 lb (1.25 kg)
Dimensions	8.98" L x 4.33" W x 8.54" H (228 mm x 110 mm x 217 mm), including handle	
Warranty	1 year	

Catalog No.	Model	Description
SH611001	DT-721	Digital Stroboscope 115 VAC (meter only)
SH611002	DT-725	Digital Stroboscope w/Internal Battery (meter only)
SH611201	DT-721KIT	Digital Stroboscope 115 VAC Kit, includes carrying case and extra flash tube
SH611202	DT-725KIT	Digital Stroboscope 115 VAC Kit, includes standard charger, carrying case and extra flash tube
SH500885	Carry-Case 721	Carrying case for 700 Series Stroboscopes
SH611000	Flashtube 721	Spare flashtube for 700 Series Stroboscopes
NISTTM105	—	NIST Traceable Certificate
NISTTM106	—	NIST Traceable Certificate with Data
NISTTMQ105	—	2 Year NIST Traceable Certificate
NISTTMQ106	—	2 Year NIST Traceable Certificate with Data