

Low Cost STROBOSCOPE

DT-721 (AC-Powered)

DT-725 (Battery-Powered)

40 – 12,500 RPM/FPM
and higher using harmonics

The CHECK·LINE® DT-721 and DT-725 Digital Stroboscopes are highly stable, industrial-quality instruments for non-contact RPM measurement as well as for inspection and observation of moving parts by “freezing” or “slowing down” the action.

A “Kit” option is offered for both models which also includes a carrying case and spare flash tube at minimal additional cost.



Optional Complete Kit

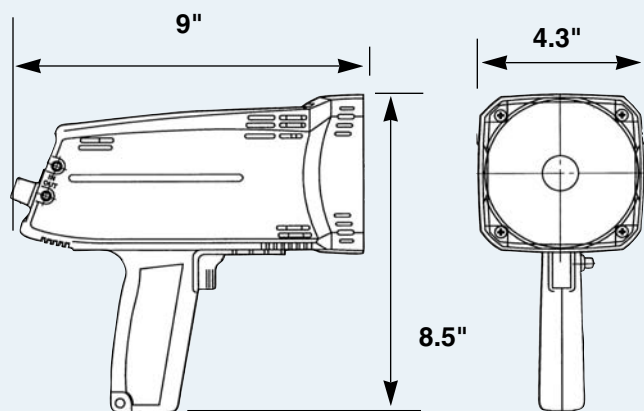


FEATURES

- AC or battery-powered models
- Highly accurate speed control with drift-free operation
- Bright flash intensity with life of 100 million flashes
- Easy-to-use controls with bright LED display
- Instant *double* (2X) and *half-rate* ($\div 2$) flash selection
- Accepts input from sensor for external flash triggering
- Phase shift adjustment permits movement of objects to desired position for convenient observation
- Extremely lightweight and rugged

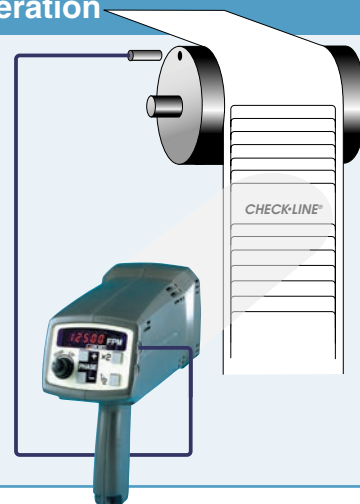
DT-721/725

Dimensions



External Trigger Operation

Suitable for applications requiring external control of the flash rate using a sensor or other input device. An external power source may be required.



Specifications

Flash Range	40 – 12,500 FPM
Accuracy	± 0.02% of reading
Resolution	(0.1) 40.0 – 4,999.9 (0.2) 5,000.0 – 7,999.8 (0.5) 8,000.0 – 9,999.5 (1.0) 10,000.0 – 12,500.0
Display	5-Digit LED, 8 mm high
Flash Tube	Xenon, 10 watt
Tube Life	100 million flashes
Flash Duration	10 – 15 µs
Signal Output	NPN Open Collector, 24 VDC max. at 50 mA (150 µs typical)
Phase Shift	0 – 359° (Internal Mode)

Duty Cycle	Continuous
Battery Life	1 hour (Model 725 only)
Re-charging Time	12 hours (4 hours with optional Fast Charger)
Low Battery Indicator	Model 725 only
Operating Temperature	32 to 105 °F (0 to 40 °C)
Weight	
... Model 721	1.50 lbs. (680 g)
... Model 725	2.75 lbs. (1.25 Kg)
Power Requirements	
... Model 721	115 VAC ± 10%, 50/60 Hz
... Model 725	Internal Battery (Lead Acid Rechargeable)

Specifications subject to change without notice.

External Trigger Input Signal

- a) 12 – 24 VDC thru a 3-wire NPN 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

Ordering Guide

For use in countries with 115 VAC	DT-721	For use in countries with 230 VAC	DT-721-2
	DT-725		DT-725-2
	DT-721-KIT		DT-721-2-KIT
	DT-725-KIT		DT-725-2-KIT

CHECK·LINE® – PRECISION QUALITY CONTROL INSTRUMENTS