

*AC power or Battery power, Xenon with high light*

# DIGITAL STROBOSCOPE

**Model : DT-2339**

*ISO-9001, CE, IEC1010*



## FEATURES

- \* Stroboscope use high intensity XENON tube.
- \* LCD display with back light.
- \* Stroboscope range : 100 to 15,000 RPM.
- \* External trigger for stroboscope.
- \* DCV power supply via external AC/DC adapter, 90-260 ACV/DC adapter is the standard accessory.
- \* Build in battery compartment, power can use the DC 1.2 V Ni-MH recharge battery ( UM-1, D size ) X 4 PCs, the recharge batteries and the battery charger are the optional accessories.



Recharge batteries  
( optional )



**Lutron**

**LUTRON ELECTRONIC**

***The Art of Measurement***

# COMBINATION STROBOSCOPE

Model : DT-2339

## FEATURES

* The Digital Stroboscope is used the microprocessor circuit design, high accuracy, digital readout, light duty, that is ideal for inspecting and measuring the speed of moving gears, fans, centrifuges, pumps, motors and other equipment used in general industrial maintenance, production, quality control, laboratories and as well as for schools and colleges for demonstrating strobe action.
* Xenon flash tube, high intensity.
* DCV power supply via external AC/DC adapter, 100-240 AC/DC adapter is the standard accessory.
* Build in battery compartment, power can be used the optional DC 1.2 V Ni-MH recharge battery ( UM-1, D size ) x 4 PCs.
* Back light high visible LCD display gives exact reading with no guessing or error and saves battery energy.
* High precision both for Stroboscope and Tachometer measurement.
* Xenon flash tube with plug and socket, easy to make the tube replacement.
* Use an exclusive one chip MICRO-PROCESSOR LSI-circuit and crystal time base to offer high accuracy measurement & fast measuring time.
* Wide measuring range.
* Stroboscope build in external trigger input.
* Compact and heavy duty housing case.

## GENERAL SPECIFICATIONS

Display	5 digits ( 0 to 99999 ) LCD display.
Circuit	Exclusive one-chip design microprocessor LSI circuit.
Measurement	<i>Stroboscope</i> Unit : FPM ( rotation per minute ). build in external trigger input.
Sampling Time	Approx. 1 second.
Calibration	Crystal time base and microprocessor circuit, no external calibration process required.
Operating Temperature	0 to 50 °C ( 32 to 122°F )
Operating Humidity	Less than 80% R.H.
Power Supply	AC( 100V to 240V ) to DC 9V ( 3A ) adapter, included. Build in battery compartment, power can be used the optional DC 1.2 V Ni-MH recharge battery ( UM-1, D size ) x 4 PCs.
Power Consumption	DC 2.4 A ( 3600 FPM )
Weight	1 Kg ( 2.2 LB ).
Dimensions	21 cmx12 cmx12 cm (8.3"x4.8"x4.8").

Accessories Included	Operation manual..... 1 PC. AC( 100V to 240V ) to DC 9V adapter ..... 1 PC.
Optional Accessory	Flash Xenon tube.....Model : TBXE-2289 DC 1.2 V Ni-MH recharge batteries, UM-1/D size x 4 PCs. DC 1.2 V Ni-MH batteries charger.

## ELECTRICAL SPECIFICATIONS OF STROBOSCOPE

### **Stroboscope Specification**

Stroboscopic Flash Rate	100 to 15,000 flashes per minute (FPM). Low range : 100 to 1,000 RPM/FPM. High range : 1000 to 15,000 RPM/FPM.
Accuracy	± ( 0.05% + 1 digit ).
Resolution	0.1 FPM/RPM (less than 1,000 FPM/RPM) 1 FPM/RPM ( > 1,000 FPM/RPM ).
External Trigger Input	Input signal : 5V to 30 V rms, 5 to 15,000 RPM/FPM.

### **Flash Tube Specification**

Flash tube	Xenon lamp.
Flash Duration	Approximately 60 to 1,000 microseconds.
Flash color	Xenon white 6,500 K degree.
Flash energy	4 Watts-seconds (joules).
Beam Angle	80 degrees.
Flash tube replacement	It is required to change the flash tube when the instrument start to flash irregularly at speeds of 3600 RPM/FPM or more. Flash tube with plug and socket, easy to make the replacement.
Operating duty Cycle	For prolong life and safety, if uses the AC to DC 9 V adapter power, adhere to the following operation dutycycle: <ul style="list-style-type: none"> <li>&lt; 2000 RPM - 2 hours</li> <li>2000 to 3600 RPM - one hour</li> <li>3601 to 8000 RPM - 30 minutes</li> <li>&gt; 8000 RPM - 10 minutes.</li> </ul> <i>* 10 min. cooling off period between cycles.</i>  if uses the battery power, adhere to the following operation duty cycle: <ul style="list-style-type: none"> <li><i>Below 2,000 RPM - 30 Minutes.</i></li> <li><i>Above 2,000 RPM - 5 Minutes.</i></li> </ul> <i>* 5 min. cooling off period between cycles.</i>

\* Appearance and specifications listed in this brochure are subject to change without notice.