

*High brightness LED array, Battery power, 100-100,000 rpm*

# STROBOSCOPE

**Model : DT-2199**

*ISO-9001, CE, IEC1010*



**LUTRON ELECTRONIC**

*The Art of Measurement*

*Battery power*

# DIGITAL STROBOSCOPE

Model : DT-2199

## FEATURES

- \* Battery power Stroboscope, flash light use high intensity LED array, long life.
- \* Stroboscope, wide measuring range up to 99,999 RPM.
- \* 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.
- \* Back light high visible LCD display gives exact reading with no guessing or error and saves battery energy.
- \* High precision both for Stroboscope. measurement.
- \* Use an exclusive one chip MICRO-PROCESSOR LSI-circuit and crystal time base to offer high accuracy measurement & fast measuring time.
- \* 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           | FPM ( rotation per minute ).                                                                                                  |
| 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 )                                                                                                    |
| Humidity              | Less than 80% R.H.                                                                                                            |
| Power Supply          | DC 1.5 V, UM-1 (D type) battery x 4 PCs<br><i>* DC 9V adapter input is built, AC/DC adapter is optional, not in included.</i> |
| Power Consumption     | <i>Stroboscope ( 3600 FPM ) :</i><br>DC 160 mA.                                                                               |
| Weight                | 800 g ( 1.76 LB ).                                                                                                            |
| Dimensions            | 21 cmx12 cmx12 cm (8.3"x4.8"x4.8").                                                                                           |
| Accessories Included  | Operation manual.....1 PC.                                                                                                    |
| Optional Accessories  | ACV 110V, 220/230V to DC 9V adapter.                                                                                          |

## ELECTRICAL SPECIFICATIONS

|                         |                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|
| Stroboscopic Flash Rate | 100 to 99,999 flashes per minute (FPM).<br>Low range : 100 to 1,000 RPM/FPM.<br>High range : 1000 to 99,999 RPM/FPM. |
| Accuracy                | ± ( 0.05% + 1 digit ).                                                                                               |
| Resolution              | 0.1 FPM/RPM (less than 1,000 FPM/RPM)<br>1 FPM/RPM ( > 1,000 FPM/RPM ).                                              |
| Light Source            | Long life high intensity LED array.                                                                                  |

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

1005-DT2199