

***Digital synthesis, High intensity light, External trigger***

***Metal housing case, professional and long life***

# **DIGITAL STROBOSCOPE XENON**

**Model : DT-2279 ( 110V ), DT-2279 ( 220V or 230V )**

***ISO-9001, CE, IEC1010***

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***The Art of Measurement***

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# DIGITAL STROBOSCOPE XENON

Model : DT-2279 ( 110V ), DT-2279 ( 220V or 230V )

## FEATURES

* New generation Stroboscope, used metal housing case with long life.
* Digital synthesis circuit, high stability and easy adjustment.
* Xenon flash tube, high intensity light.
* Display : 14 mm large red LED.
* Display : 14 mm large red LED. * Range : 50 to 35,000 RPM (FPM).
* External trigger signal input for simultaneous testing and measurement. 1. Phase Shift : 0 to 359° with 1° resolution. 2. Delay Time : 0 to 1200 mSec from 50 - 10,000 RPM.
* Adjustment resolution : 0.1 RPM ( < 1,000 RPM ), 1 RPM (1,000-9,999 RPM ) , 10 RPM ( ≥ 10,000 RPM ).
* Setting button Key : Ext./Int. button, Mode button, digital adjusting button, x 2 button, ÷ 2 button, + button, - button, easy to adjust the desired RPM.
* Digital rotary adjustment, easy for making fine adjustment.
* Power supply ( ACV only ) : DT-2279 ( AC 110V ), DT-2279( AC 220V or 230V ).

## Stroboscope Frequency

Flash adjust range	0.833 to 583.3 Hz. * 50 to 35,000 RPM/FPM.	
Resolution	0.001 Hz : < 599.9 RPM.	0.1 Hz : 6,000-35,000 RPM
	0.01 Hz : 600.0-5999 RPM	
Function buttons	Digital rotate knob, MODEL, int/Ext. Select , x 2 button, ÷ 2 button, + button, - button,	
Accuracy	±(0.05 % reading + 2d)	

## General Specifications

Display	14 mm LED. 5 digits with display unit.
Flash light	Xenon flash tube .
Flash adjust range	50 to 35,000 RPM/FPM.
Function buttons	Digital rotate knob, MODEL, int/Ext. Select , x 2 button, ÷ 2 buttons ,+ button, - button,
Sync output signal	12 v level 100µs Square wave
External signal trigger	H Level: 2.5 V ~ 12 V , L Level: 0.8 V MAX. > 50 µs
Measurement	1. Stroboscope : (RPM ) 2. Stroboscope : ( Hz ) 3. External Trigger : * Phase Shift 0 to 359° resolution. * Delay Time 0 to 1200 mSec. (50 - 10000 RPM).
Operating Humidity	Max. 80% RH.
Operating Temperature	0 to 50 °C ( 32 to 122 °F )
Over Input Display	Indication of " - - - "
Power Supply	AC 110V or AC 220V/230V
Weight	1200g/2.64 LB (Meter only)
Dimension	HWD 255 x 110 x 150 mm (10 x 4.3 x 5.9 inch).
Time base	Quartz crystal.
Circuit	Exclusive one-chip of microcomputer LSI circuit.
Accessories Included	Operation manual..... 1 PC. Power cord..... 1 PC. Round Metal Connector (SKT-B2279)..... 1 PC.

## Stroboscope External Trigger :Phase Shift

External Trigger	0 to 359°.
Phase Shift	* Use range : 50 to 1000RPM. * " ° " : degrees.
Resolution	1°
Function buttons	Digital rotate knob, MODEL, int/Ext. Select ,
Accuracy	±(0.1 % reading + 2d)
Signal input	H Level: 2.5 V ~ 12 V , L Level: 0.8 V MAX. > 50 µs

## Stroboscope External Trigger :Delay Time

Flash adjust range	0 to 1200 mSec.. * Use range : 50 to 1000RPM. * mSec : mini second.	
Resolution	0.1 RPM : < 1,000 RPM.	10 RPM : ≥ 10,000-35,000 RPM
	1 RPM : 1,000-9,999 RPM	
Function buttons	Digital rotate knob, MODEL, int/Ext. Select ,	
Accuracy	±(0.1 % reading + 2d)	
Signal input	H Level: 2.5 V ~ 12 V , L Level: 0.8 V MAX. > 50 µs	

## Electrical Specification ( 23 ± 5 °C )

### Stroboscope Tachometer

Flash adjust range	50 to 35,000 RPM/FPM. * RPM : round per minute. * FPM : flash per minute.	
Resolution	0.1 RPM : < 1,000 RPM.	10 RPM : ≥ 10,000-35,000 RPM
	1 RPM : 1,000-9,999 RPM	
Function buttons	Digital rotate knob, MODEL, int/Ext. Select , x 2 button, ÷ 2 button, + button, - button,	
Accuracy	±(0.05 % reading + 2d)	

\* Spec. tested under the environment RF Field Strength less than 3 V/M & frequency less than the 30 MHz only.