

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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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, + 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. 0.01 Hz : 600.0-5999 RPM	0.1 Hz : 6,000-35,000 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 10000RPM. * " " : 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 10000RPM. * mSec : mini second.	
Resolution	0.1 RPM : < 1,000 RPM. 1 RPM : 1,000-9,999 RPM	10 RPM : ≥ 10,000-35,000 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. 1 RPM : 1,000-9,999 RPM	10 RPM : ≥ 10,000-35,000 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.

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