



BEARING & TOOL CENTRE



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Our Sister Concern : RELIEF SERVICE CENTRE

Repairs, Removal of Jaw Error, Bore Gauge Extension, Instrument Modifications & Spares

Quotation

90 | Stroboscope

Make	Lutron	Lutron	Kusum - Meco	Kusum - Meco
Model	DT 2239 A	DT 2259	KM - 2239A	KM - 2240
Flash rate	100 to 10,000 flashesh per min.	100 to 100,000 FPM/RPM		
Resolution	100 to 5000 rpm/fpm	0.1 RPM	60 - 20000 rpm	60 - 39999 rpm
Rs.	10000	13400	9630	12480
Catalog	Page No. - 2	Page No. - 4	Page No. - 6	Page No. - 6

90 - 1	Digital Stroboscopes - Metrix+ @ With 10% Discount	Model	Rs	Catalog
1	50 ~ 12000 FPM	DT2239	8000	Page No. - 7,8
2	50 ~ 40000 FPM	DT2259A	10000	Page No. - 7,8

Terms & Conditions -

- ✚ Goods offered - Subject to Prior Sale
- ✚ Price Validity: "15 Days from Date of Quotation"
- ✚ C.S.T 2% extra against form C. Otherwise 5% without form C For Out of Gujarat Sales only.
- ✚ VAT 5% extra for Sales within Gujarat. Prices Ex-Godown Ahmedabad.
- ✚ Payment against Proforma Invoice, Packing, Forwarding & Freight extra.
- ✚ **Bank Detail** - Kotak Mahindra Bank Ltd.
- ✚ **Branch** - Shivranjini
- ✚ **Bank IFSC Code** - KKBK 0000 810
- ✚ **Bank Account No.** 08102 00000 2689
- ✚ Note - While making payment online do mention your Company's name.
- ✚ TIN NO 24070901229 , CST No. 24570901229
- ✚ We are looking forward to your valued orders.

LUTRON MAKE

DIGITAL STROBOSCOPE

Model : DT-2239A

ISO-9001, CE, IEC1010



Lutron

LUTRON ELECTRONIC

The Art of Measurement

DIGITAL STROBOSCOPE

Model : DT-2239A

DESCRIPTION

The model DT-2239A is a microprocessor circuit design, high accuracy, digital readout, light duty STROBOSCOPE/TACHOMETER 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.

SPECIFICATIONS

Display	0.3" LED, 4 digits.	Power Supply	110 Vac 10%, 50/60 Hz. or 220 Vac 10%, 50/60 Hz. or 230 Vac 10%, 50/60 Hz.
Stroboscopic Flash Rate	100 to 10,000 flashes per minute (FPM).	Power Consumption	Less than 30 Watt.
Accuracy	100 to 5,000 FPM/RPM) - ± 1 digit. over 5000 FPM/RPM - $\pm 0.05\%$.	Operating Temp.	0 to 50 °C (32 to 122 °F).
Resolution	Less than 10,000 FPM/RPM- 1 FPM/RPM.	Operating Humidity	Less than 80% R.H.
	Over 10,000 FPM/RPM - 10FPM/RPM	Dimension	HWD - 21 x 12 x 12 cm (8.3x4.8x4.8 inch).
Sampling Time	1 second.	Weight	1Kg/2.2 LB.
Range Select	Automation.	Housing	Compact and impact plastic injection case with plastic mirror type reflector.
Circuit	This stroboscope/tachometer employs an custom one-chip of microcomputer LSI circuit & crystal control time base which results in extraordinary accuracy over a wide, dynamic range.	Calibration	Crystal time base and microprocessor circuit, don't necessary take any external calibration process.
		Accessories Included	Operation manual..... 1 PC.

FLASH TUBE SPECIFICATIONS

Flash tube	Xenon lamp.	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 Duration	Approximately 60 to 1,000 microseconds.		
Flash color	Xenon white 6,500 K degree.		
Flash energy	4 Watts-seconds (joules).		
Beam Angle	80		
Operating duty Cycle	For prolong life and safe operation, please adhere to the following duty cycle: Below 1,000 RPM - 30 Minutes. Above 3,600 RPM - 5 Minutes. Always allow a 10 minute cooling off period between cycles.		

OPERATIONS PROCEDURES

Preparation	(a) Plug unit into a properly grounded 110V AC, 220V AC or 230V AC outlet. (b) Turn the power switch to "on" position. (c) Determine the range switch to "Low" or "High" position.
Checking Speed	When checking speed, care must be taken to insure that the strobe is flashing in unison (one to one) with the object being monitored. A Stroboscope will also stop motion at 2:1, 3:1, 4:1 et., this is normally referred to as harmonies. To be sure of unison, turn the dial until two images appear - this will double the actual speed. Then lower the flashing rate until a single and stationary image appears - this is the actual true speed.
Checking Motion	For motion analysis, simply locate the actual speed as mentioned above and then turn the dial slowly up or down. This will give a slow motion effect allowing complete inspection.

Remark : When order the stroboscope, should inform the power supply type is AC 110 V, 220 V or 230 V.

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

0408-DT2239A

TACHOMETER/STROBOSCOPE

Model : DT-2259

ISO-9001, CE, IEC1010




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The Art of Measurement



- IN Q 17**  **Lutron DT-2259 TACHOMETER / STROBOSCOPE.** 2 in 1 Exclusive one-chip design microprocessor LSI circuit with LCD display 5 digits, 10mm. **PHOTOTACHOMETER** : 5 ~ 99,999RPM with 0.1RPM Resolution (<1,000RPM) 1RPM (\geq 1,000RPM). Distance 50~150mm/2 to max. 300mm depending upon ambient light. **STROBOSCOPE** : 100 ~ 100,000 FRM / RPM, with Flash Adjust Range. Resolution : 0.1 FPM / RPM (Less than 1,000 FPM / RPM) 0.1 FPM / RPM (Over 1,000 FPM / RPM). Flash Tube Colour : Orange LED.
- IN Q 18**  **Lutron DT-2269 STROBOSCOPE.** 6 Digit LED Display with RS-232 and Push Button Adjustment. **Flash Rate** : 5 ~ 15000 RPM / FPM, Resolution : 0.1 RPM / FPM - < 1000 RPM / FPM and 1 RPM / FPM -> 1000 RPM / FPM. **Phase** : $\pm 360^\circ$ and equivalent ms. Resolution : Degree : 1° , 0.1ms < 1000 RPM and 0.01ms \geq 1000RPM. **Accuracy** : \pm (0.05% + 1d). **Switch Select Function** : RPM, Delay time, Fine adjust, Coarse adjust, Multiply by 2, Divide by 2, Range adjust, memory recall. **FLASH TUBE SPECIFICATION - FLASH - Tube** : Xenon lamp. **Duration** : Approx. 60~1,000 microseconds. **Colour** : Xenon white 6,500 $^\circ$ K.
- IN Q 19**  **Lutron DT-2299 COMBINATION STROBOSCOPE (LED ARRAY).** Laser Photo Tachometer + Contact Tachometer. 5 digits (0~99999) LCD display. **Electrical Specification of Contact Tachometer (Optional Probe, TA35)** : Range - 0.5~19,999RPM, Surface Speed (m/min) : 0.05~1,999.9. Surface Speed (ft/min) : 0.2~6,560. Accuracy : \pm (0.05% + 1dgt). Resolution : **0.1RPM** - <1,000RPM, **1RPM** - \geq 1,000RPM, **0.01m/min.** - \geq 100m/min, **0.1m/min.** - >100m/min, **0.1ft/min** - <1000ft/min, **1ft/min** - \geq 1,000ft/min. **Electrical Specification of Stroboscope** : Flash Rate : 100 ~ 99,999 flashes per minute (FPM). Low range : 100 ~ 1,000 RPM/FPM, High Range : 1000 ~ 99,999 RPM/FPM. Accuracy : \pm (0.05% + 1dgt). Resolution : 0.1 FPM / RPM (less than 1,000 FPM/RPM), 1FPM/RPM (>1,000 FPM/RPM). **Electrical Specification of Laser Photo Tachometer** : Range : 10 ~ 99,999 RPM. Accuracy : \pm (0.05% + 1dgt).

KUSUM MECO



MODEL - KM 2239 A / KM 2240 STROBOSCOPE

FEATURES

- * Measuring TACH and vibratility by noncontact
- * Large LCD display with backlight
- * Digital Control adjust flash Frequency
- * Low power consumption
- * **Measure range : 60 ~ 9999 RPM**
- * **Measure range : 60 ~ 19,999 RPM(KM 2240)**
- * **Coarse / Fine adjust amplitude :**
 - < 1000 RPM Coarse adjust : ± 10 RPM
 - Fine adjust : ± 0.1 RPM
 - ≥ 1000 RPM Coarse adjust : ± 100 RPM
 - Fine adjust : ± 1 RPM

DIGITAL STROBOSCOPE METER

Metrix⁺
Innovative Excellence



Metrix⁺
STROBOSCOPE

Metrix + DT 2239 - 12000 FPM
Metrix + DT 2259A - 40000 FPM
Metrix + DT 2239 xL - 12000 FPM
(Mains + Battery Operated)

- New Innovative and Unique design operates on 220V mains.
- Wide Measuring range and high resolution.
- High - Low Measuring Range.
- External Trigger allows unit to be automatically Synchronize with equipment.
- Flash timer control conserves Flash tube life.
- Novel design is easy to fit in either hand.

Metrix+ DIGITAL STROBOSCOPE

DT-2239 • DT-2259A • DT-2239xL (Mains + Battery Operated)

Features :

- Stroboscope Used Exclusive One Chip MICRO COMPUTER LSI circuit.
- Crystal Time Base to Offer the High Accuracy Measurement & fast Measuring Time.
- Wide Measuring Range & High Resolution.
- Digital Display Gives EXACT reading with no Guessing or errors.
- Multi Functional ONE Stroboscope combines LOW-HIGH Measuring Range.
- The use of DURABLE long lasting components, Including a Strong & Light weight ABS-Plastic Housing assures Maintenance free Performance for many years.
- Stroboscope Housing has been carefully SHAPED to fit comfortably in either hand.

Specifications :

MODELS	DT 2239	DT 2259 A	DT2239xL with RECHARGEABLE Battery
DISPLAY	10mm (0.4") LCD	10mm (0.4") LCD	10mm (0.4") LCD
Liquid Crystal display	with function ANNUNCIATION	with function ANNUNCIATION	with function ANNUNCIATION
Parameters Measured	FPM (Flashes per Minute)	FPM (Flashes per Minute)	FPM (Flashes per Minute)
Measuring Range	50~12,000 FPM	50~40,000 FPM	50~12,000FPM
Range FPM	High ~ Low Range Manual Conversion	High / ~ Low Range Manual Conversion	High // Low Range Manual Conversion
Resolution	0.1FPM (50-999.9 FPM)	0.1 FPM (50-999.9 FPM)	0.1 FPM (50-999.9 FPM)
1FPM (over 1000 FPM)	1FPM (over 1000 FPM)	1FPM (over 1000 FPM)	1FPM (over 1000 FPM)
Accuracy	+/- (0.05% n+1d)	+/- (0.05% n+1d)	Discontinued
Flash Tube	Xenon Lamp	Xenon Lamp	Xenon Lamp
Sample Time	0.3 seconds	0.3 seconds	0.3 seconds
Triggering Mode	Internal/External Triggering conversion	Internal/External Triggering conversion	Internal/External Triggering conversion
Flash Adjusting	External Trigger Level : 3~24V with x 2 ÷ 2 for Fast check	External Trigger Level : 3~24V with x 2 ÷ 2 for Fast check	External Trigger Level : 3~24V with x 2 ÷ 2 for Fast check
Operating Temp.	0~40 Humidity <85% RH	0~40C Humidity <85% RH	0~40C Humidity <85%RH
Power Supply	220V AC (default) 110V AC	220V AC (default) 110V AC	220V AC (default) With built in Rechargeable Battery for field use
Size & Weight	220x130x115mm/about 1000gms.	220x130x115mm/about 1000gms.	220x130x115mm/about 1000gms.
Accessories Included	1. Instruction Manual. 2. 220V Mains Cable 3. Gift Box	1. Instruction Manual. 2. 220V Mains Cable 3. Gift Box	1. Built in Rechargeable Battery 2. Instruction Manual 3. 220V Mains cable cum charger

* Specifications can be changed without prior notice

* Due to printing Factors, the colour of the Products are subject to Instrument colour

Metrix Plus Instruments Inc.,