



# 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

#### 82 | Tachometer - Digital

RPM	99999	10000 & 99999	1 - 99999	100.0 to 99999
Type	Non contact	Photo & Contact	Non Contact	Non contact
Model No	2234 C	2236	DT 2001B	950
Make	LT	LT	EAPL	Meco
Rs.	1350	3000	2500	5280
Calibration	800	800	800	850
Page No	4-5	4-5	3	17
Catalog	Page No.- 4,5	Page No.- 4,5	Page No.- 3	Page No.- 17

RPM	99999	10000	10000 & 99999	10000 & 99999	5 to 100,000
Type	Non contact	Contact	Photo & Contact	Photo & Contact	Photo & Contact
Model No	DT 2234 B	DT 2235B	DT 1236 L	DT 2236	DT 2230
Make	Lutron	Lutron	Lutron	Lutron	Lutron
Rs.	7500	7400	11500	9000	Discontinue
Calibration	800	800	800	800	
Catalog	Page No.- 6	Page No.- 7	Page No.- 9	Page No.- 11	Page No.- 13

#### 82 - 1 | Tachometer - Mechanical

RPM	10000	Specs Attached	Specs Attached
Type	Contact	Contact	Contact
Model No	H	TM - 5010EK	TM - 5000EK
Make	Fuji	Line Seiki	Line Seiki
Rs.	14500	9400	10000
Catalog	Page No. 15		

82 - 2	Digital Tachometer - Metrix+ @ With 10% Discount	Model	Catalog	Rs
1	Non - Contact Laser Tachometer 2.5 ~ 99,999 RPM	DT 2234B	Page No. - 18	1300
2	Contact Tachometer 0.5 ~ 19,999 RPM	DT 2235B	Page No. - 18	1700
3	Contact / Non Contact Combine Tachometer	TM 4005	Page No. - 18	3200

82 - 3	Analog Tachometer - Metrix+ @ With 10% Discount	Catalog	Rs
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1	"H" ( Hustler Type ) 0 - 10000 RPM "FUJI" Brand JAPAN	Page No. - 18	14500
2	"H" ( Hustler Type ) 0 - 10000 RPM "TECLOCK" Brand JAPAN	Page No. - 18	20000

**Note : No any warranty in all above Testing Instruments**

## **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.

## Digital Tachometer (DT2001B)



- Microcontroller based design
- RPM measurement from 1 RPM up to 99,999 RPM
- Non-Contact Sensing through reflected light beam
- LCD Display
- Input sensing indication through LED
- Memory facility to retain measured value
- 6V Battery operated
- Portable, Lightweight, Strong and Elegant ABS Enclosure

<b>Function</b>	RPM Counter
<b>Rated supply Voltage</b>	6 V DC ( Battery 4 X 1.5 V AA Size heavy duty type )
<b>Power Consumption</b>	1.5 W approx. ( when bulb is ON )
<b>Display</b>	5 digit LCD ( 0.4" height )
<b>Detecting Distance</b>	50 to 150 mm / 2 to 6 inches ( up to 300mm / 12 inches depending upon ambient light )
<b>Range</b>	1 to 99,999 RPM ( with one reflecting mark )
<b>Range Selection</b>	Automatic
<b>Accuracy</b>	$\pm 1$ RPM from 1 to 5000 RPM ( from 25 ° C to 35 ° C ) $\pm 0.05\%$ over 5000 RPM ( from 25 ° C to 35 ° C )
<b>Resolution</b>	0.1 RPM up to 5,999 RPM and 1 RPM over 6,000 RPM
<b>Ambient temperature</b>	Operation : 0 ° C to + 50 ° C
<b>Dimensions</b>	72 x 170 x 38.0 mm ( w x h x d )
<b>Accessories</b>	Carrying case, Reflecting Tape, Instruction Manual

**L.T.BRAND**

# DIGITAL TACHOMETER

*Full line, Micro-computer circuit, Better performance*

PHOTO/CONTACT  
TYPE  
MODEL : DT-2236


PHOTO TYPE  
MODEL : DT-2234A

CONTACT TYPE  
MODEL : DT-2235A

PHOTO TYPE  
MODEL : DT-2234C

**APPLICATIONS:**

Engines	Process Machinery	Motors	Machin Tools
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*The Art of Measurement*



**PHOTO/  
CONTACT  
TACHOMETER  
DT-2236**

<b>MODEL</b>	DT — 2236		<b>Photo Tach detecting distance</b>	50 to 150 mm/2 to 6 inch *Typical max. 350 mm/14 inch depending upon ambient light.
<b>Range</b>	Photo Tach : 2.5 to 99,999 RPM Contact Tach : 0.5 to 19,999 RPM Surface Speed (m./min.) 0.05 to 1,999.9m/min. Surface Speed (ft./min.) 0.2 to 6.560 ft/min.		<b>Circuit</b>	Exclusive one - chip of microcomputer LSI circuit
<b>Resolution (Photo)</b>	0.1 RPM	(2.5 to 999.9 RPM)	<b>Battery</b>	1.5 V AA (UM-3) battery x 4 PCs.
<b>Resolution (Contact Tach)</b>	0.1 RPM	(0.5 to 999.9 RPM)	<b>Operating temp.</b>	0° - 50°C (32°-122°F).
	1 RPM	(Over 1,000 RPM)	<b>Memory</b>	Last value, Max. value, Min. value.
<b>Surface Speed (m./min.)</b>	0.01 m/min. (Over 10 m/min.) 0.1 m/min. (Over 100 m/min.) 0.1 ft/min. (0.1 to 999.9 ft/min.) 1 ft/min. (Over 1,000 ft/min.)		<b>Size</b>	215 x 65 x 38 mm (8.5 x 2.6 x 1.5 inch).
<b>Display</b>	5 digits, 10 mm (0.4") LCD. with function Annunciation.		<b>Weight</b>	300g (0.62 LB)/ including battery.
<b>Accuracy</b>	± (0.05% + 1digit)		<b>Accessories</b>	Case 1PC Reflecting tape marks (350mm) 1PC. RPM adapter (CONE) 1PC. RPM adapter (FUNNEL) 1PC. Surface speed test wheel 1PC. Operation manual 1PC.
<b>Sampling Time</b>	Photo tach. - 1 sec. (≥ 60 RPM) Contact tach. - 1sec. (≥ 60 RPM)			
<b>Time base</b>	Quartz crystal			



**CONTACT  
TACHOMETER  
DT-2235A**

<b>MODEL</b>	DT — 2235A		<b>Battery</b>	1.5 V AA (UM-3) battery x 4 PCs.
<b>Range</b>	Contact Tach : 0.5 to 19,999 RPM Surface Speed (m./min.) : 0.05 to 1,999.9m/min.		<b>Operating temp.</b>	0° - 50°C (32°-122°F).
<b>Resolution</b>	0.1 RPM	(0.5 to 999.9 RPM)	<b>Memory</b>	Last value, Max. value, Min. value.
	1 RPM	Over 1,000 RPM	<b>Size</b>	190 x 72 x 37 mm (7.5 x 2.8 x 1.5 inch).
	0.01 m/min.	(0.05 to 999.99 m/min.)	<b>Weight</b>	300g (0.65 lb)/ including battery.
	0.1 m/min.	Over 100 m/min.	<b>Accessories</b>	Case ..... 1PC. RPM adapter (CONE) ..... 1PC. RPM adapter (FUNNEL) ..... 1PC. Surface speed test wheel ..... 1PC. Operation manual ..... 1PC.
<b>Display</b>	5 digits, 10 mm (0.4") LCD. With function Annunciation.			
<b>Accuracy</b>	± (0.05% + 1digit)			
<b>Sampling Time</b>	1 Sec. (Over 60 RPM)			
<b>Time base</b>	Quartz crystal			
<b>Circuit</b>	Exclusive one - chip of microcomputer LSI circuit.			



**PHOTO  
TACHOMETER  
DT-2234A**

<b>MODEL</b>	DT — 2234A		<b>Circuit</b>	Exclusive one - chip of microcomputer LSI circuit
<b>Range</b>	Photo Tach : 2.5 to 99,999 RPM (r/min.)		<b>Battery</b>	1.5 V AA (UM-3) battery x 4 PCs.
<b>Resolution</b>	0.1 RPM	2.5 to 999.9 RPM	<b>Operating temp.</b>	0° - 50°C (32°-122°F).
	1 RPM	Over 1,000 RPM	<b>Memory</b>	Last value, Max. value, Min. value.
<b>Display</b>	5 digits, 10 mm (0.4") LCD. With function Annunciation		<b>Size</b>	190 x 72 x 37 mm (7.5 x 2.8 x 1.5 inch).
<b>Accuracy</b>	± (0.05% + 1digit)		<b>Weight</b>	300g (0.65 LB)/ including battery.
<b>Sampling Time</b>	- 1 sec. (≥ 60 RPM).		<b>Accessories</b>	Case 1PC. Reflecting tape marks (350mm) 1PC. Operation manua 1PC.
<b>Time base</b>	Quartz crystal			
<b>Photo Tach detecting distance</b>	50 to 150 mm/2 to 10 inch *Typical max. 350 mm/14 inch depending upon ambient light.			

**PHOTO  
TACHOMETER  
DT-2234C**

**The main functions are same as DT-2234A, apart from Laser Beam Operation.**

# PHOTO TACHOMETER

**Model : DT-2234B**

*ISO-9001, CE, IEC1010*



**LUTRON ELECTRONIC**

*The Art of Measurement*

# CONTACT TACHOMETER

**Model : DT-2235B**

*ISO-9001, CE, IEC1010*



**LUTRON ELECTRONIC**

*The Art of Measurement*

# PHOTO TACHOMETER, Model : DT-2234B CONTACT TACHOMETER, Model : DT-2235B

<b>Items</b>	<b>PHOTO TACHOMETER</b>			<b>CONTACT TACHOMETER</b>		
<b>Model</b>	DT-2234B			DT-2235B		
<b>Range</b>	5 to 99,999 RPM			0.5 to 19,999 RPM		
				<i>Surface Speed (m/min.) :</i> 0.05 to 1,999.9 m/min. <i>Surface Speed (ft/min.) :</i> 0.2 to 6,560 ft/min.		
<b>Resolution</b>	RPM	0.1 RPM	< 1,000 RPM	RPM	0.1 RPM	< 1,000 RPM
		1 RPM	1,000 RPM		1 RPM	≥ 1,000 RPM
				Surface Speed	0.01 m/min.	< 100 m/min.
					0.1 m/min.	≥ 100 m/min.
					0.1 ft/min.	< 1000 ft/min.
					1 ft/min.	≥ 1,000 ft/min.
<b>Display</b>	5 digits, 10 mm ( 0.4" ) LCD.			5 digits, 10 mm ( 0.4" ) LCD		
<b>Accuracy</b>	± ( 0.05 % + 1 digit ).			± ( 0.05% + 1 digit ).		
<b>Sampling Time</b>	1 second ( 60 RPM ).			1 second ( 6 RPM ).		
<b>Time base</b>	Quartz crystal .			Quartz crystal .		
<b>Photo Tach. detecting distance</b>	50 to 150 mm/2 to 6 inch. <i>* Typical max. 300 mm/12 inch depending upon ambient light.</i>					
<b>Circuit</b>	Exclusive one-chip of micro-computer LSI circuit.			Exclusive one-chip of micro-LSI circuit.		
<b>Battery</b>	1.5 V AA (UM-3) battery x 4 PCs.			1.5 V AA (UM-3) battery x 4 PCs.		
<b>Operating temp.</b>	0 to 50 °C ( 32 to 122 °F).			0 to 50 °C ( 32 to 122 °F).		
<b>Memory</b>	Last value, Max. value, Min. value.			Last value, Max. value, Min. value.		
<b>Size</b>	190 x 72 x 37 mm (7.5 x 2.8 x 1.5 inch).			208 x 72 x 37 mm (8.2 x 2.8 x 1.5 inch).		
<b>Weight</b>	250g (0.55 LB)/including battery.			280g (0.62 LB)/including battery.		
<b>Accessories</b>	Carrying case ..... 1 PC Reflecting tape marks (600 mm) ..... 1 PC Operation manual ..... 1 PC			Carrying case ..... 1 PC RPM adapter (CONE)..... 1 PC RPM adapter (FUNNEL)..... 1 PC Surface speed test wheel..... 1 PC Operation manual ..... 1 PC		

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

0601-DT2234B/DT2235B



# LASER PHOTO/CONTACT TACHOMETER

Model : DT-1236L

ISO-9001, CE, IEC1010



**Lutron**



**LUTRON ELECTRONIC**

***The Art of Measurement***

# LASER PHOTO/CONTACT TACHOMETER

## Model : DT-1236L

FEATURES	
* World's patent, Multi-functions, one instrument combine Photo Tach.( RPM ) & Contact Tach. ( RPM, m/min., ft/min. ).	* High visible LCD display gives RPM reading exactly with no guessing or errors & saves battery energy.
* Laser light source, long detecting distance.	* This tachometer used the exclusive one chip MICRO-COMPUTER LSI circuit & crystal time base, offer the high accurate measurement & fast sampling time.
* Wide measuring range from 0.5 to 100,000 RPM.	
* 0.1 RPM resolution for the measured value < 1000 RPM.	* The use of durable, long lasting components, including a strong, light weight ABS plastic housing, assures almost maintenance free performance for many years.
* High precision with 0.05% accuracy.	
* The last value, max., value, min. value will be stored into the memory automatically & can be obtained by pressing Memory Call Button.	* The housing cabinet has been carefully shaped to fit comfortable in either hand.

SPECIFICATIONS			
Measurement & Range	<i>Photo Tachometer :</i> 10 to 99,999 RPM.	Circuit	Exclusive one-chip of microcomputer LSI circuit.
	<i>Contact Tachometer :</i> 0.5 to 19,999 RPM.	Operating Temperature	0 - 50 °C ( 32 - 122 °F ).
	<i>Surface Speed :</i> m/min. - 0.05 to 1,999.9 m/min. ft/min. - 0.2 to 6,560 ft/min.	Operating Humidity	Less than 80% R.H.
Resolution	<i>RPM:</i> 0.1 RPM ( < 1,000 RPM ). 1 RPM ( 1,000 RPM ).	Memory	Last/Max./Min. value.
	<i>m/min.:</i> 0.01m/min. ( < 100 m/min. ). 0.1m/min. ( 100 m/min. ).	Battery	4 x 1.5V AA ( UM-3 ) batteries.
	<i>ft/min.:</i> 0.1 ft/min. ( < 1,000 ft/mn. ). 1 ft/min. ( 1,000 ft/mn. ).	Power Consumption	<i>Photo type :</i> Approx. DC 21 mA. <i>Contact type :</i> Approx. DC 7 mA.
		Size	215 x 67 x 38 mm. ( 8.5 x 2.6 x 1.5 inch ).
		Weight	280g ( 0.61 LB ) * including batteries.
Display	5 digits, 10 mm ( 0.4" ) LCD.	Accessories Included	Carrying case..... 1 PC.
Accuracy	± ( 0.05% + 1 digit ), RPM only.		Reflecting tape marks ( 600 mm )..... 1 PC.
Detecting distance	5 cm to 200 cm typically. * <i>The specification detecting distance ( max. 200 cm ) are tested under the 1800 RPM &amp; the size of the reflecting tape is 1 cm x 1 cm.</i>		RPM adapter ( CONE ) .....1 PC.
Light Source	1 mW class 2 laser diode.		RPM adapter ( FUNEL ) .....1 PC.
Time base	Quartz crystal.		Surface speed test wheel .....1 PC.
			Operation manual..... 1 PC.

# DIGITAL TACHOMETER

**Model : DT-2236**

*ISO-9001, CE, IEC1010*



## FEATURES

- \* World's patent, Multi-functions, one instrument combine Photo Tachometer (RPM) and Contact Tachometer (RPM, m/min., ft/min. ).
- \* Wide measuring range :  
0.5 to 100,000 RPM.
- \* < 1,000 RPM, 0.1 RPM resolution .
- \* High precision with 0.05% accuracy.
- \* Memorize the last value, max., value, min. value
- \* High visible LCD display.
- \* Exclusive one chip LSI circuit & crystal time base
- \* The use of durable, long lasting components, including a strong, light weight ABS plastic housing, assures almost maintenance free performance for many years.

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***The Art of Measurement***

# DIGITAL PHOTO/CONTACT TACHOMETER

## Model : DT-2236

FEATURES	
* World's patent, Multi-functions, one instrument combine Photo Tach.( RPM ) & Contact Tach. ( RPM, m/min., ft/min. ).	* High visible LCD display gives RPM reading exactly with no guessing or errors & saves battery energy.
* Wide measuring range from 0.5 to 100,000 RPM.	* This tachometer used the exclusive one chip MICRO-COMPUTER LSI circuit & crystal time base, offer the high accurate measurement & fast sampling time.
* 0.1 RPM resolution for the measured value < 1000 RPM.	* The use of durable, long lasting components, including a strong, light weight ABS plastic housing, assures almost maintenance free performance for many years.
* High precision with 0.05% accuracy.	
* The last value, max., value, min. value will be stored into the memory automatically & can be obtained by pressing MEMORY CALL BUTTON.	
	* The housing cabinet has been carefully shaped to fit comfortable in either hand.

SPECIFICATIONS			
Measurement & Range	<i>Photo Tachometer :</i> 5 to 99,999 RPM.	Operating Humidity	Less than 80% R.H.
	<i>Contact Tachometer :</i> 0.5 to 19,999 RPM.	Memory	Last/Max./Min. value.
	<i>Surface Speed :</i> m/min. - 0.05 to 1,999.9 m/min. ft/min. - 0.2 to 6,560 ft/min.	Battery	4 x 1.5V AA ( UM-3 ) batteries.
Resolution	<i>RPM:</i> 0.1 RPM ( < 1,000 RPM ). 1 RPM ( 1,000 RPM ).	Power Consumption	<i>Photo type :</i> Approx. DC 153 mA.
	<i>m/min.:</i> 0.01m/min. ( < 100 m/min. ). 0.1m/min. ( 100 m/min. ).	Size	<i>Contact type :</i> Approx. DC 10 mA.
	<i>ft/min.:</i> 0.1 ft/min. ( < 1,000 ft/min. ). 1 ft/min. ( 1,000 ft/min. ).		195 x 61 x 38.5 mm. ( 7.6 x 2.4 x 1.5 inch ).
Display	5 digits, 10 mm ( 0.4" ) LCD.	Weight	280g ( 0.61 LB ) * including batteries.
Accuracy	± ( 0.05% + 1 digit ).	Accessories Included	Carrying case..... 1 PC.
Time base	Quartz crystal.		Reflecting tape marks ( 600 mm )..... 1 PC.
Circuit	Exclusive one-chip of microcomputer LSI circuit.		RPM adapter ( CONE ) ..... 1 PC.
Operating Temperature	0 - 50 °C ( 32 - 122 °F ).		RPM adapter ( FUNEL ) ..... 1 PC.
			Surface speed test wheel ..... 1 PC.
		Operation manual..... 1 PC.	

Patent	<i>The DT-2236 had following countries patent &amp; patent pending :</i> USA - 4,823,080 GERMANY - G9015492.4, G8708922.0 TAIWAN - 45478 & other countries patent pending.
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0412-DT2236

# Pocket PHOTO/CONTACT TACHOMETER

Model : DT-2230 *ISO-9001, CE, IEC1010*



## FEATURES

- \* Mini pocket size, easy carryout.
- \* Photo tachometer :  
5 to 100,000 RPM
- Contact tachometer :  
0.5 to 19,999 RPM.
- Surface speed :  
m/min, ft/min.
- \* Laser beam for Photo tachometer,  
long measuring distance.
- \* LCD display, RS-232 interface.
- \* Patented.

Pocket type, RS232 computer interface

# PHOTO/CONTACT TACHOMETER

Model : DT-2230

## FEATURES

* Compact and pocket tachometer.
* The best Tachometer in the world. 2 in 1, one instrument combine Photo tachometer and Contact Tachometer.
* Photo tachometer uses Laser light detecting source, long measuring range up to 1.5 meters, it is useful in the RPM measurement application where the machine would be a risk to the operator or close access is difficult or not possible.
* Wide measuring range from 0.5 to 100,000 RPM, 0.1 RPM resolution for the measured value < 1000 RPM.
* Microprocessor based circuit, crystal time base, high precision with 0.1% accuracy.
* High visible LCD display gives RPM reading exactly with no guessing or errors & saves battery energy.
* Memory with recall function, the last value, max., value, min. value will be stored into the memory
* Memory with recall function, the last value, max., value, min. value will be stored into the memory automatically.
* The use of durable, long lasting components, including a strong, light weight ABS plastic housing, assures almost maintenance free performance for many years.
* RS232 PC serial interface.
* Patent patented.

Display	LCD, size 32 mm x 28 mm. 5 digits with display unit.
Accuracy	± ( 0.1% + 1 digit ). @ reading
Photo Tachometer detecting distance	5 to 150 cm typically. * Spec. of detecting distance are that under the size of reflecting tape is 10 mm square & the measuring RPM value is 1,800 RPM. The max. & min. detecting distance may change under different environment, different reflecting tape or the measuring RPM beyond 1800 RPM.
Time base	Quartz crystal.
Circuit	Exclusive one-chip of microcomputer LSI circuit.
Photo Tach. Laser light	* Less than 1 mW. * Class 2 laser diode.
Photo Tach. Laser light source	* Less than 1 mW. * Class 2 laser diode. Red Wave length is 645 nm approximately.
Operating Temperature	0 to 50 °C ( 32 to 122 °F ).
Operating Humidity	Less than 80% R.H.
Memory	Memorize Last/Max./Min. value.
Data Output	RS232 PC serial interface.
Battery	4 x 1.5V AAA ( UM4 ) batteries.
Power Consumption	<i>Photo tachometer :</i> Approx. DC 29 mA. <i>Contact tachometer :</i> Approx. DC 5 mA.
Size	156x50x33 mm. ( 6.1x2.0x1.3 inch ).
Weight	187 g ( 0.41 LB ).
Accessories Included	Reflecting tape marks ( 600 mm )..... 1 PC. Operation manual..... 1 PC. Spare RPM cone rubber..... 1 PC. Spare RPM funnel rubber..... 1 PC.
Optional Accessory	* Carrying case, CA-52A * RS232 cable, UPCB-02. * Data Acquisition software, SW-U801-WIN.

## SPECIFICATIONS

Measurement & Range	<i>Photo Tachometer :</i> 5 to 99,999 RPM.
	<i>Contact Tachometer :</i> 0.5 to 19,999 RPM.
	<i>Surface Speed :</i> m/min. - 0.05 to 1,999.9 m/min. ft/min. - 0.2 to 6,560 ft/min.
Resolution	<i>RPM :</i> 0.1 RPM ( < 1,000 RPM ). 1 RPM ( ≥ 1,000 RPM ).
	<i>m/min.:</i> 0.01 m/min. ( < 100 m/min. ). 0.1 m/min. ( ≥ 100 m/min. ).
	<i>ft/min.:</i> 0.1 ft/min. ( < 1,000 ft/mn. ). 1 ft/min. ( ≥ 1,000 ft/mn. ).

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0612-DT2230

# FUJI MAKE



# FUJI KOGYO CO., LTD.

JAPAN



### Vinyl Case

This tachometer contains a revolution counter and a time clock in a single mechanism and r.p.m. or peripheral speed is automatically indicated, without requiring any special stop watch, by 3 seconds after the operation push button being pressed. Easy to use and excellence accuracy.

### How to Use

As soon as a suitable contact tip attached to the meter is pressed lightly to the rotating shaft center, the spindle is turned and when the button on the top is pressed and released, the spring is charged. the clock operates, and the pointers revolves and automatically stops at certain scale points. These scale shows r.p.m. of the measured machine. After measuring, the pointers must be returned to 0.1 positions by pressing the lower button.

As to the peripheral speed measuring, the pulley for the peripheral speed measuring is used which is to be directly contacted onto the running surface of the measured machine. In this case, the pointed scale in red figure shows the surface speed in terms of meters per minute.



### Specification



Accuracy	: 2% of indicate scale
Scale plate diam	: 58 mm
Size w/o attachment	: 87W X113L X 25H(mm)
Net Weight	: 300g
Size of Case	: 116W X 140LX 45H(mm)
Gross Weight	: 450g



### Accessories

- 1 : Concave rubber contact tip Complete Alumni body
- 1 : Convex rubber contact tip Complete Alumni body
- 1 : Wheel (Pulley) for peripheral speed measuring Complete Alumni body
- 1 : Spare rubber contact tip Complete Alumni body. Complete with FUJI Calibration Certificate.

Model	Measuring Range	Scale Reading
H	0-10,000 r.p.m.	Long Pointer 1 rev. = 1,000 r.p.m. (10 p.m. / unit scale)
		Short Pointer 1rev. = 10,000 r.p.m. (1,000r.p.m. unit scale)
		Peripheral speed 1 rev. = 100 m (1m/unit scale)
		Peripheral speed 1 rev =1,000m (100m/unit scale)
H	0-10,000 r.p.m.	Types "H" (HUSTLER) Chronometric Type Tachometer

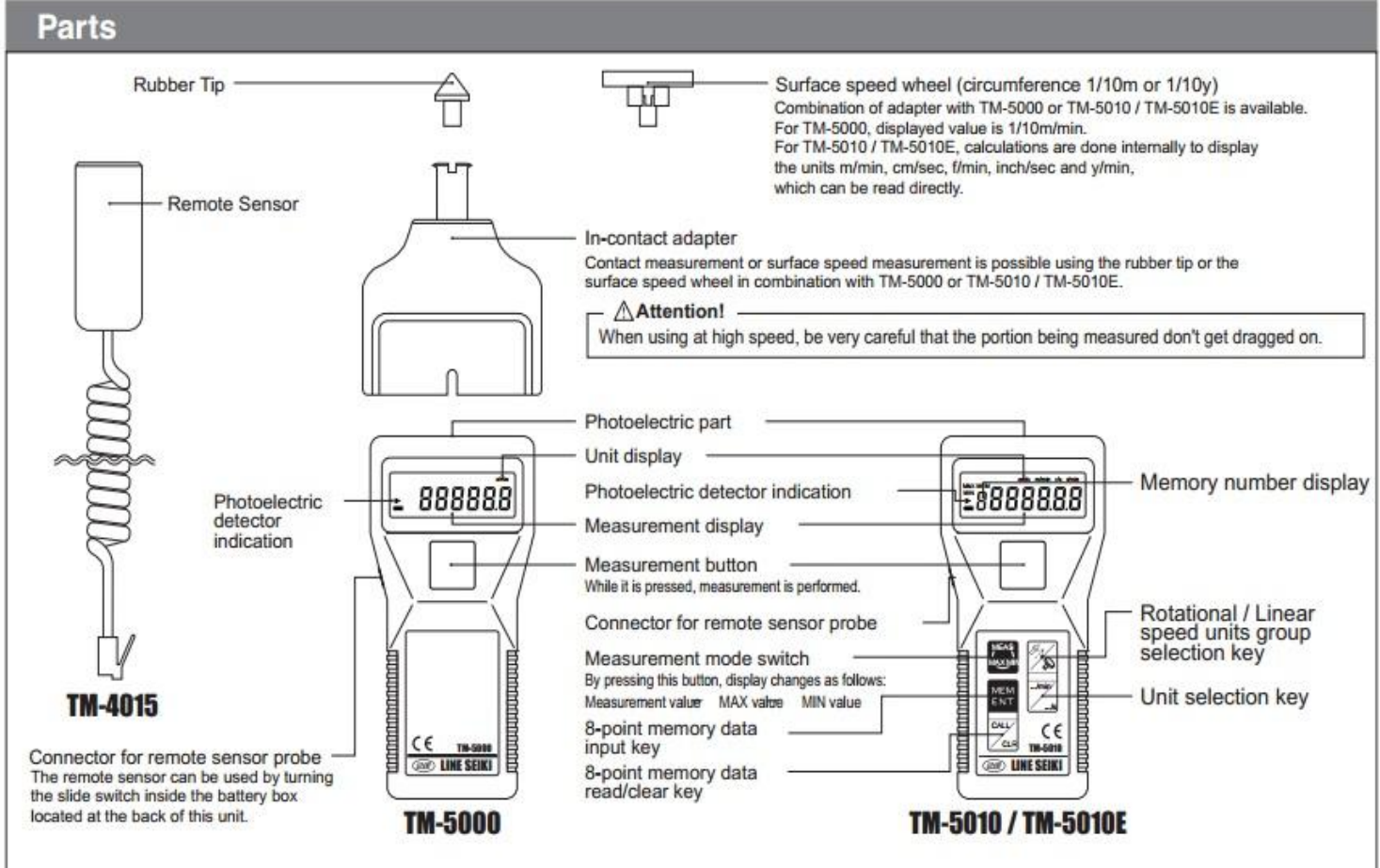
Specifications (Main unit)		
Model	TM-5000	TM-5010/5010E
Measuring Range	6.0 - 99999.9 r/min	6.0 - 99999.9 r/min 0.10 - 1666.66 r/s 0.60 - 9999.99 m/min 1.00 - 16666.6 cm/s [ 0.39 - 6561.65 inch/s ]* [ 1.9 - 32808.3 f/min ]* [ 0.65 - 10936.1 y/min ]*
Resolution	0.1 r/min	0.1 rpm/fpm, others 0.01
Accuracy	±0.01%±1digit r/min, m/min (for other units, the conversion accuracy is ±0.05%±1digit)	
Sampling Time	1.0 - 10.0 seconds	
Display	Display : 6 digits, 7 segment LCD Battery alarm :  mark Reflective light :  mark	
	Display unit : r/min	Display unit : r/min, r/s, m/min, cm/s [inch/s, f/min, y/min]* Memory display : MAX, MIN, MEM1-8
Auto Power-off	After 3 mins. from last measurement or key operation	
Data Hold Time	Measurement data: until the next data is defined	
	—	Memory data: same as battery life
Measuring Method	Non-contact measurement using the main unit or with remote sensor (use with reflective tape) Contact measurement using the in-contact adapter (use with rubber tip, surface speed wheel)	
Measuring Distance	50 - 300mm (using reflective tape)	
Power Supply	4 pieces of AAA alkaline battery (continuous measurement of 20 hrs.)	
Storage Temperature	-10 - 60°C (Non-Freezing)	
Operating Temperature	5 - 40°C (Non-Freezing)	
Operating Humidity	35 - 85%RH (Non-Condensing)	
Dimension/Weight	122(H) x 58(46)(W) x 28(D)mm approx. 130g (including batteries)	

[ ] \* These measuring units are only available in TM-5010E model.

Models	
<b>TM-5000K/ TM-5000EK</b>	TM-5000 Contents In-contact Adapter unit Rubber Tip, 3 pieces Surface speed wheel (1/10m) [Surface speed wheel (1/10y)]* Carrying Case (C-4000)
<b>TM-5010K/ TM-5010EK</b>	TM-5010/TM-5010E Contents In-contact Adapter unit Rubber Tip, 3 pieces Surface speed wheel (1/10m) Carrying Case (C-4000)
<b>TM-5000</b>	TM-5000 main unit AAA alkaline battery, 4 pieces Reflective tape, 10 pieces Instruction manual
<b>TM-5010/ TM-5010E</b>	TM-5010 / TM-5010E main unit AAA alkaline battery, 4 pieces Reflective tape, 10 pieces Instruction manual
<b>TM-5013</b>	In-contact adaptor Rubber tip, 3 pieces Surface speed wheel (1/10 m)
<b>TM-5014</b>	In-contact adaptor Rubber tip, 3 pieces Surface speed wheel (1/10 y)
<b>TM-4015</b>	Remote sensor (21 mm diameter, maximum cable length is 1 meter)

[ ] \* This item is for TM-5000EK only.

Accessories (Sold separately)	
Reflective tape	10 pieces / set
Rubber tip	3 pieces / set
Surface speed wheel (m)	Circumference 1/10 m
Surface speed wheel (y)	Circumference 1/10 y
C-4000	Carrying Case





# MECO MAKE



RPM Meter	
<b>Models</b>	<b>950- RPM Meter</b>
<b>Sp. Function</b>	HOLD / MAX / MIN / MAX-MIN / AVG / APO
<b>Range</b>	100.0 to 99999 rpm 1.7 to 1666 rps
<b>Resolution</b>	0.1 rpm (100.0 to 19999.9 rpm) 01 rps (1.7 to 333.3 rps) 1 rpm (20000 to 99999 rpm) 1 rps (334 to 1666 rps)
<b>Accuracy</b>	± 0.02% of reading + 1 dgt Stated Accuracy at 23°C ± 5°C, < 75% RH
<b>Temperature Coefficient</b>	0.1 Times the Applicable Accuracy Specification per °C Out of 23°C ± 5°C
<b>Operating Environment</b>	0°C to 50°C, < 70% RH
<b>Storage Temperature</b>	-20°C to 60°C, < 80% RH (battery removed from meter)
<b>Accessories</b>	1.5V AAA Battery (fitted-in) x 2 Wristlet x 1, Protection Cap x 1, Reflective Tape x 5



MODELS NOS. SPECIFICATIONS	<b>Metrix+ DT 2234B</b> Photo Tachometer	<b>Metrix+ DT 2235B</b> Contact Tachometer	<b>Metrix+ TM 4005</b> Photo-Contact Tachometer
Measuring Range-Photo Contact Linear Rolling Speed (Surface Speed)	2.5~99999RPM	0.5~19,999RPM 0.05~1999.9m/min 0.2~6560Ft/min	2.5~99999RPM Photo 2.5~19,999RPM Contact 0.05~1999.9m/min 0.2~6560Ft/min
Resolution	0.1RPM、1RPM	0.1RPM、1RPM 0.01m/min、0.1m/min 1Ft/min	0.1RPM、1RPM 0.1RPM、1RPM 0.01m/min、0.1m/min 1Ft/min
Accuracy	±(0.05%+1 word)	±(0.05%+1 word)	±(0.05%+1 word)
Sampling Frequency	0.8Sec	0.8Sec	0.8Sec
Max & Min Data Function	√	√	√
Provide Probe	---	√	√
Low Battery Indication	√	√	√
Measuring Mode	photoelectric type	Contact Type	Photoelectric + Contact type
Data Hold	√	√	---
LCD Backlight	√	√	---
Operating Temperature	0~50°C	0~50°C	0~50°C
Storing Temperature	-20~60°C	-20~60°C	-20~60°C
<b>PACKING INFORMATION</b>			
Power	AAA*3 battery	AAA*3 battery	AA*4 battery
Product Net Weight	120g	150g	280g
Product Size	150*56*31mm	155*55*35mm	215*74*32mm
Packing	Gift box	Gift box	Gift box