

HAND TACHOMETER TM-5000/TM-5010

- Non-contact and contact measurement using an adapter
- Measurement for hard to reach areas using the remote sensor
- 6.0~99999.9 rev/min Measuring range with multi-unit selection
- Easy to measure
- In conformance to CE



◀ **TM-4015**
Remote sensor

▲ **TM-5000**
0.1 rpm resolution



- ◀ **TM-5000K/TM5000EK**
TM-5000 Kit models
- TM-5010K/TM-5010EK**
TM-5010 Kit models
- TM-5010E Kit models

All kit models includes the main unit, reflective tape, contact adapter, rubber tip, surface speed wheel, AAA batteries and carrying case.

▼ **TM-5013/TM-5014**

- In contact adapter
- Rubber tip
- Surface speed wheel



CE
RoHS

TM-5010/TM-5010E ▲
8 items memory,
MIN/MAX memory,
rpm/rps
unit of peripheral speed selection

Specifications (Main unit)														
Model	TM-5000	TM-5010/5010E												
Measuring Range	6.0 - 99999.9 r/min	<table border="1"> <tr> <td>6.0 - 99999.9 rpm</td> <td>[0.65 - 10936.1 y/min]*</td> </tr> <tr> <td>0.10 - 1666.66 rps</td> <td>0 - 999999 count</td> </tr> <tr> <td>0.60 - 9999.99 m/min</td> <td>0.0 - 99999.9 m</td> </tr> <tr> <td>1.00 - 16666.6 cm/s</td> <td>[0.00 - 99999.9 y]*</td> </tr> <tr> <td>[0.39 - 6561.65 inch/s]*</td> <td>[0.00 - 99996.1 inch]*</td> </tr> <tr> <td>[1.9 - 32808.3 f/min]*</td> <td>[0.0 - 99999.7 f]*</td> </tr> </table>	6.0 - 99999.9 rpm	[0.65 - 10936.1 y/min]*	0.10 - 1666.66 rps	0 - 999999 count	0.60 - 9999.99 m/min	0.0 - 99999.9 m	1.00 - 16666.6 cm/s	[0.00 - 99999.9 y]*	[0.39 - 6561.65 inch/s]*	[0.00 - 99996.1 inch]*	[1.9 - 32808.3 f/min]*	[0.0 - 99999.7 f]*
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Resolution	0.1 r/min	1 count, 0.1 rpm·fpm·m·f, 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 [y/min, inch/s, f/min]*, count, m, [y, inch, f]* 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	
TM-5000K/ TM-5000EK	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)
TM-5010K/ TM-5010EK	TM-5010/TM-5010E Contents In-contact Adapter unit Rubber Tip, 3 pieces Surface speed wheel (1/10m) Carrying Case (C-4000)
TM-5000	TM-5000 main unit AAA alkaline battery, 4 pieces Reflective tape, 10 pieces Instruction manual
TM-5010/ TM-5010E	TM-5010 / TM-5010E main unit AAA alkaline battery, 4 pieces Reflective tape, 10 pieces Instruction manual
TM-5013	In-contact adaptor Rubber tip, 3 pieces Surface speed wheel (1/10 m)
TM-5014	In-contact adaptor Rubber tip, 3 pieces Surface speed wheel (1/10 y)
TM-4015	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

Parts

Rubber Tip

Remote Sensor

In-contact adapter
Contact measurement or surface speed measurement is possible using the rubber tip or the surface speed wheel in combination with TM-5000 or TM-5010 / TM-5010E.

Surface speed wheel (circumference 1/10m or 1/10y)
Combination of adapter with TM-5000 or TM-5010 / TM-5010E is available.
For TM-5000, displayed value is 1/10m/min.
For TM-5010 / TM-5010E, calculations are done internally to display the units m/min, cm/sec, f/min, inch/sec and y/min, which can be read directly.

TM-4015
Connector for remote sensor probe
The remote sensor can be used by turning the slide switch inside the battery box located at the back of this unit.

TM-5000

TM-5010 / TM-5010E

Memory number display
Photoelectric part

Unit display
Photoelectric detector indication

Measurement display
Measurement button
While it is pressed, measurement is performed.

Connector for remote sensor probe

Measurement mode switch
By pressing this button, display changes as follows:
Measurement value MAX value MIN value

8-point memory data input key
8-point memory data read/clear key

rotational speed mode (r/min r/s)
↓
linear speed mode (m/min cm/s y/min inch/s f/min)*
↓
rotation count and length measurement mode (count m y inch f)*
Rotational / Linear speed Units Group selection key

Unit selection key

r/min ↔ r/s
m/min → cm/s → y/min*
f/min* ← inch/s*
count → m → y*
f* ← inch ↓

* TM-5010E Only

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