



DIGITAL TACHOMETER TM-7 Series

TAKE MEASUREMENTS with EASE through LASER!

- Through adoption of laser technology non-contact measurement performance has improved. (TM-7000/TM-7010/TM-7010E)
 - Highly visible laser makes measurement adjustments easy.
 - Measuring distance up to 1 m from a reflective target.
 - 6.0 - 99999.9 rev/min measuring range and 0.1 rev/min Resolution
- Multifunctional model (TM-7010/TM-7010E)
 - Prescale measurement
 - 25 items and MIN/MAX memory
 - Multi-unit selection
- Contact measurement with Contact adaptor (TM-7000/TM-7010/TM-7010E + TM-7013)
 - Rotational Speed measurement and Linear / Surface Speed measurement
- The model for contact measurement only is released. (TM-7020)
 - 1.0 - 6000.0 rev/min measuring range and lowcost type.
- In conformance to CE and ROHS

TM-7000
(Basic laser type) ▼



TM-7010/TM-7010E
(Advanced laser type) ▼



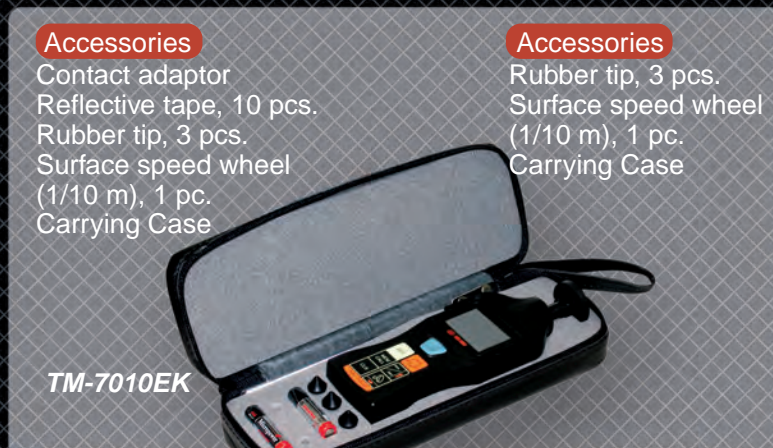
TM-7020
(Contact type) ▼



TM-7013 for TM-7000 TM-7010
TM-7010E
(Contact adaptor) ▼



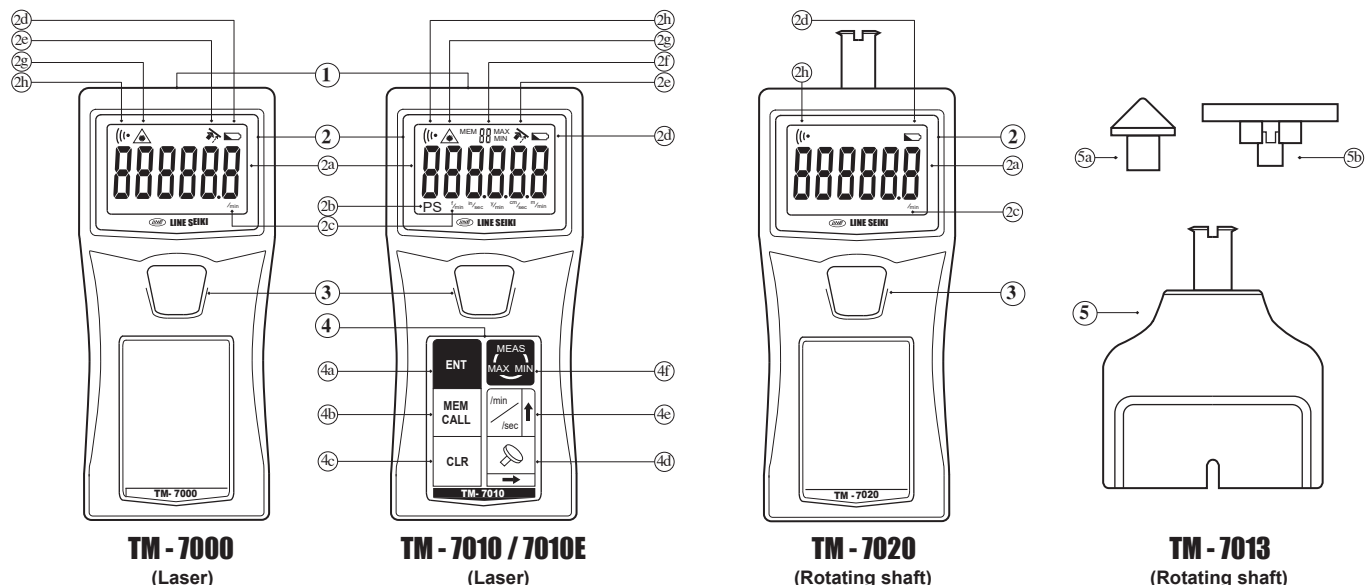
TM-7000K
TM-7010K/TM-7010EK
(Kit types) ▼



★ Surface speed wheel (1/10 y) is optional

LINE SEIKI

COMPONENTS



- | | | | | |
|-------------------------------|------------------------------------|----------------------|--|------------------------|
| ① Photoelectric part | ②a Low-battery indicator | ③ Measurement button | ④d Linear/Surface Speed key (Unit Selection key) | ⑤ Contact adaptor |
| ② Displays and indicators | ②b Contact measurement indicator | ④ Key switches | ④a Enter key | ⑤a Rubber tip |
| ②a Measurement display | ②f Memory number & MAX-MIN display | ④a Enter key | ④c Rotational Speed key (Unit Selection key) | ⑤b Surface speed wheel |
| ②b Prescale setting indicator | ②g Laser On indicator | ④b Memory Call key | ④f Measurement mode key | |
| ②c Unit display | ②h On target indicator | ④c Clear key | | |

SPECIFICATIONS (MAIN UNIT)

Model	TM - 7000	TM - 7010 / 7010E	TM - 7020
Measuring Range (Non contact)	6.0 - 99999.9r/min	6.0 - 99999.9r/min 0.10 - 1666.66r/sec	—
Measuring Range (TM-7000/TM-7010/TM-7010E with contact adaptor)	6.0 - 15000.0r/min	6.0 - 15000.0 r/min 0.10 - 250.00 r/sec 0.60 - 1500.00 m/min 1.00 - 2500.00 cm/sec 0.65 - 1640.41 y/min ★ 0.39 - 984.25 in/sec ★ 1.9 - 4921.25 f/min ★	0.1 - 99999.9r/min 0.01 - 9999.99r/sec
Resolution	0.1 r/min	0.1 r/min-f/min, others 0.01	0.1 r/min
Accuracy	±0.01% ±1 digit	0.01% ±1 digit (r/min-m/min) 0.05% ±1 digit (Other units including conversion accuracy)	±0.01% ±1 digit
Sampling Time	1.0-10.0 seconds (1.0-2.0 seconds, with contact adaptor)		1.0-2.0 seconds
Display	Measurement Display : 6 digits, 7 segment LCD (except TM-7020) Low-battery : mark Laser On : mark On target : mark Contact Measurement : mark		
	Display unit : /min	Display unit : /min, /sec, m/min cm/sec, y/min ★, in/sec ★, f/min ★ Memory display : MEM1~25, MAX, MIN Prescale Mode Indicator : PS	Display unit : /min
Prescale Range	—	0.001 - 999.999	—
Auto Power-off	After 3 minutes 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 main unit (with reflective tape) Contact type measurement : using contact adaptor (with rubber tip or surface speed wheel)		Contact type measurement : using main unit (with rubber tip or surface speed wheel)
Optical System (Except TM-7020)	Light Source : Laser, Class 2 Operating Range : 50 - 1000 mm, ±40 degrees Wavelength : 650 nm, CW Power Output : Max. 1 mW		
Power Supply	4 pcs. of AAA alkaline battery		
Battery Life with continuous measurement	approx. 30 hours	approx. 15 hours	approx. 30 hours
Backlight	—	Blue (Auto-Backlight Off after 10 seconds of inactivity)	—
Temperature	Operating Temp. 5 - 40°C Storage Temp. -10 - +60°C (Non-Freezing)		
Operating Humidity	35 - 85%RH (Non-Condensing)		
Dimension/Weight (Battery Included)	125(H) x 58(W) x 27.4(D)mm / 140g		144(H) x 58(W) x 36(D)mm / 170g

* These measuring units are only available in TM-7010E

MODELS

TM - 7000	TM-7000 main unit	Reflective tape, 10 pcs.
TM - 7010	TM-7010 main unit	AAA alkaline battery, 4 pcs. Instruction manual
TM - 7010E	TM-7010E main unit	
TM - 7000K	TM-7000 main unit + Contact adaptor	Reflective tape, 10 pcs. Rubber tip, 3 pcs.
TM - 7010K	TM-7010 main unit + Contact adaptor	Surface speed wheel (1/10 m) 1 pc. AAA alkaline battery, 4 pcs. Instruction manual
TM - 7010EK	TM-7010E main unit + Contact adaptor	Carrying Case
TM - 7013	Contact adaptor	Rubber tip, 3 pcs. Surface speed wheel (1/10 m), 1 pc.
TM - 7020	TM-7020 Main Unit, Rubber Tip, 3 pcs. Surface Speed Wheel (1/10m), 1 pc. AAA Alkaline Battery, 4 pcs. Instruction Manual	
TM - 7020K	TM-7020 Main Unit, Rubber Tip, 3 pcs. Surface Speed Wheel (1/10m), 1 pc. AAA Alkaline Battery, 4 pcs. Instruction Manual + Carrying Case	

OPTIONS

ZTM051	Reflective Tape, 10 pcs.
ZTM004 - SET	Rubber Tip, 3 pcs.
ZM4052	Surface Speed Wheel (1/10 m), 1 pc.
ZM4053	Surface speed wheel (1/10 y), 1 pc.
C - 7000	Carrying Case (TM-7000 / 7010 / 7010E)
C - 7020	Carrying Case (TM-7020)



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