

# SHIMPO INSTRUMENTS

Measuring Quality

## MT-200 Combination Contact/ Non-Contact Pocket Tachometer

**The MT-200 Combination Contact/Non-Contact Pocket Tachometer** with microprocessor technology possesses the precision of the standard Shimpo Tachometer line, yet within a compact, pocket-style enclosure. These battery-operated tachometers feature the same rugged, high quality components that have made Shimpo tachometers the benchmark in the industry. The MT-200 provides users with the capabilities of measuring and recording speeds of rotational, linear and surface plus total length in both contact or non-contact modes. The user-friendly, value-packed units feature memory storage; quick selection unit's button; length functions; retrieval of last, maximum and minimum values; plus each unit comes standard with a free N.I.S.T. calibration certificate. Each unit ships in a protective carrying case which includes a cone adapter, funnel adapter and 6" circumference wheel.



### Features

- Multiple measurement types in both contact or non-contact modes: total revolutions (rev); revolutions per minute (rpm); surface speed: m/min, y/min, ft/min, in/min; and length: meters, yards, feet and inches.
- Non-contact measurements up to 23.6" (60 cm) away.
- Compact, pocket-size design fits easily in the palm of the hand.
- Memory automatically stores minimum, maximum, and last reading. Plus, 10 user stored readings can be logged and their average will be provided.
- Long battery-life enables continuous operation.
- Instant conversion of units.
- Low battery and over range indication.
- NIST calibration certificate included with every unit.



MT-200 Shown in  
Carrying Case

## MT-200 Specifications

<b>Display Range</b>	RPM Non-Contact: 6.0 - 99,999 RPM Contact: 6.0 - 25,000 RPM Revolutions (total) Non-Contact & Contact: 1 - 99,999 Speed Using 6" Cir. Wheel: meters/min: 0.1 - 3,809.8; yards/min: 1.0 - 4,166.4; inch/min: 36 - 99,999; feet/min: 3.0 - 12,499 Length Using 6" Cir. Wheel: meters: 0.2 - 99,999; yards: 0.2 - 99,999; feet: 0.5 - 99,999
<b>Accuracy</b>	Revolution: 6.0 - 599.9 rpm: $\pm 1$ rpm ; 600 - 99,999 rpm: $\pm 0.006\%$ of reading $\pm 0.5$ digit Surface Speed, Length: $\pm 0.4\%$ of reading $\pm 1$ digit
<b>Display</b>	5 digit 0.47" (12 mm) high LCD
<b>Memory System</b>	Readings are stored in memory and retained for 5 minutes (last, max., min., and 10 user logged measurements with corresponding average)
<b>Detection</b>	Laser diode
<b>Update Time</b>	1 second (typical)
<b>Over Range Indicator</b>	Flashing numerals
<b>Power Requirement</b>	3 AA 1.5V batteries
<b>Operating Temperature</b>	32° - 113°F (0° - 45°C)
<b>Construction</b>	ABS Resin housing
<b>Product Weight</b>	0.35 lb (160 g) 0.46 lb ( 210 g) With contact adapter installed
<b>Package Weight</b>	0.85 lb (386 g)
<b>Dimensions</b>	Main unit: 4.55"L x 2.52"W x 1.24"H (115.5 mm x 64 mm x 31.5 mm) Overall Length with contact adapter: 5.9" (149 mm)
<b>Warranty</b>	2-Year
<b>Included Accessories</b>	Three AA Batteries, cone adapter, funnel adapter, contact adapter, master wheel (6" cir.), reflective tape, carrying case, NIST certificate

## Ordering Details

<b>MT-200</b>	Contact/Non-Contact, Pocket Tachometer with included contact adapter, 6" circumference contact wheel and NIST calibration certificate.
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