

### MT-100 Contact Pocket Tachometers

**The MT-100 Contact Pocket Tachometer** with microprocessor technology possesses the precision of the standard Shimpo Tachometer line, yet within a compact, pocket-style enclosure. The MT-100 provides users with the capabilities of measuring and recording speeds of rotational, linear and surface plus total length. These battery-operated tachometers feature the same rugged, high quality components that have made Shimpo tachometers the benchmark in the industry. 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: total revolutions (rev); revolutions per minute (rpm); surface speed: m/min, y/min, in/min, ft/min; and length: meters, yards, feet and inches.
- 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-100 Shown in Carrying Case

## MT-100 Specifications

|                              |                                                                                                                                                                                                                                                                                                               |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Display Range</b>         | Revolutions: 1.0 – 25,000 RPM , 0.1 - 99,999 Rev. (total)<br>Speed Using 6" Cir. Wheel: meters/min: 0.1 - 3,809.8; yards/min: 1.0 - 4,166.4; inch/min: 3 - 99,999;<br>feet/min: 0.2 - 12,499<br>Length Using 6" Cir. Wheel: meters: 0.01 - 99,999; yards: 0.01 - 99,999; feet: 0.1 - 99,999; inch: 1 - 99,999 |
| <b>Accuracy</b>              | Revolution: 1.0 - 599.9 rpm: $\pm 1$ rpm, 600 - 25,000 rpm: $\pm 0.006\%$ of reading $\pm 0.5$ digit<br>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>             | Optical coupler, 20 pulses/rev.                                                                                                                                                                                                                                                                               |
| <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>        | 0.37 lb (170 g)                                                                                                                                                                                                                                                                                               |
| <b>Package Weight</b>        | 0.80 lb (363 g)                                                                                                                                                                                                                                                                                               |
| <b>Dimensions</b>            | 4.83"L x 2.52"W x 1.24"H (122.5 mm x 64 mm x 31.5 mm)                                                                                                                                                                                                                                                         |
| <b>Warranty</b>              | 2-Year                                                                                                                                                                                                                                                                                                        |
| <b>Included Accessories</b>  | Three AA Batteries, cone adapter, funnel adapter, master wheel (6" cir.) carrying case, NIST certificate                                                                                                                                                                                                      |

## Ordering Details

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|---------------|-----------------------------------------------------------------------------------------------------------|
| <b>MT-100</b> | Contact, Pocket Tachometer with included 6" circumference contact wheel and NIST calibration certificate. |
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