

Material Thickness Gauge

Model MTG

Range

0 to 1 inch (0-25 mm)

Resolution

0.0001 inch (0.002 mm)

- User-selected units of inch or mm.
- Air Dampening feature allows for a repeatable, controlled rate of descent on to sample.
- Left-hand lever provides convenient means to lift footer for sample placement.
- Supplied with 16 mm footer with 212g mass. Other footer diameters and weight sets are available.
- Digital Indicator is battery-powered and features PEAK-HOLD and Auto Power Off functions.
- Three outputs are provided for data transfer; RS-232, Mitutoyo (MTI) and BCD. Cable and Software are optionally available.



Presser feet in different diameters suit a wide range of testing requirements.

MTG Benchtop Contact Thickness Gauge provides accurate dimensional (thickness) testing of rubber, fabrics, foams, tapes, films and a wide variety of other materials.

The Standard MTG Material Thickness Gauge is fitted with a 16mm diameter Presser Foot and a 212 gram accelerating Mass for measuring the thickness of rubber with a hardness of 35 IRHD, or less, as provided by ASTM D 3767 Standard Practice for Rubber-Measurement of Dimensions. For other materials and hardness requiring different standardized pressures, the MTG can be supplied with other Presser Foot/Mass combinations, as shown on the reverse side of this sheet.

The MTG features a unique, adjustable Air Dampening feature which ensures a consistent, repeatable Presser Foot descent rate for each test, eliminating human error which results from operator fatigue or when technicians change.

The Certified Digital Indicator also provides three SPC data output formats for data transfer, including: RS-232, Mitutoyo (MTI) and BCD. Windows-based software and a serial cable are optionally available.

The entire measuring mechanism and indicator are mounted on an 8" (200 mm) tall column and their position on the column are clamped in place with a Height Adjust Knob to provide the best level for measuring changing material thickness.

The 6" x 6" x 2" (150 x 160 x 50 mm) laboratory grade, certified granite mooth base offers a long-lasting, smooth and an extremely hard reference surface plane for precise and repeatable measurements.



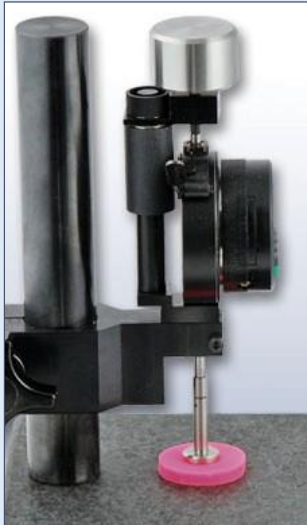
MTG Dimensions And Specifications



Standard Model MTG Material Thickness Gauge (for measuring soft rubber)

The MTG is supplied as a complete outfit, including:

- Certified Digital Indicator, with 3 SPC data output formats
- Presser Foot with 16mm diameter foot and Accelerating Mass of 212 grams
- Certified granite base 6" x 6" x 2" (150 x 160 x 50mm)
- Mounting support column, 8" (200mm) high with Height Adjust Knob.
- Air Damping for controlled descent rate
- NIST Certificates for the Digital Indicator and Granite Base



Optional Presser Foot/Mass Combinations

| For Materials Equal To or Above 35 IRHD | | | |
|---|----------------|----------|------------|
| Foot Model | Foot Dia. (mm) | Mass (g) | Mass Model |
| MTG-01-1 | 10.0 | 176 | MTG-03-1 |
| MTG-01-2 | 8.0 | 113 | MTG-03-2 |
| MTG-01-3 | 6.3 | 70 | MTG-03-3 |
| MTG-01-4 | 6.0 | 63 | MTG-03-4 |
| MTG-01-5 | 5.0 | 44 | MTG-03-5 |
| MTG-01-6 | 4.0 | 28 | MTG-03-6 |
| MTG-01-7 | 3.2 | 18 | MTG-03-7 |
| MTG-01-8 | 16.0 | 452 | MTG-03-8 |
| MTG-01-9 | 25.0 | 1104 | MTG-03-9 |

| For Materials Below 35 IRHD | | | |
|-----------------------------|----------------|----------|------------|
| Foot Model | Foot Dia. (mm) | Mass (g) | Mass Model |
| MTG-01-1 | 10.0 | 80 | MTG-04-1 |
| MTG-01-2 | 8.0 | 52 | MTG-04-2 |
| MTG-01-3 | 6.3 | 32 | MTG-04-3 |
| MTG-01-4 | 6.0 | 29 | MTG-04-4 |
| MTG-01-5 | 5.0 | 20 | MTG-04-5 |
| MTG-01-6 | 4.0 | 13 | MTG-04-6 |
| MTG-01-7 | 3.2 | 8 | MTG-04-7 |
| MTG-01-8 | 16.0 | 212 | MTG-04-8 |
| MTG-01-9 | 25.0 | 518 | MTG-04-9 |

Note: Custom sized presser feet and weights (mass) to fit specific applications are also available.



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