

THICKNESS TESTER

49-76/77 SERIES



TMI introduces new Model 49-76/77 Thickness Tester

Testing Machines Inc., of the TMI Group of Companies, is pleased to introduce two new precision micrometers.

Our latest innovation is the model 49-76/77 thickness tester. The NEW model 49-76/77 incorporates a robust mechanical design and features a proprietary electronic measurement system which produces extremely stable zero control and maintains perfect calibration. Unlike conventional thickness testers available today the 49-76/77 does not use adjustment knobs or potentiometers to adjust settings. The unit features a one-touch auto zero and a PC controlled calibration routine.

The 49-76/77 can be configured to meet variety international specifications and test standards for different types of materials including plastic film, paper, corrugated, tissue paper, nonwovens, textiles and other sheet like substrates.

Designed as an affordable and precision micrometer, the unit is available in two models:

- Model 49-76 is suitable for measuring thin sheet materials, the measuring range is 0.0000-1.2700 mm (0.00-50.00 mil).
- Model 49-77 has a range of 0.000-12.700 mm (0.00000-0.50000 inch).
- Model 49-76/77 is supplied in imperial or metric units of measurement. A serial port is included for data export.

APPLICATIONS

Paper, Paperboard, Corrugated, Cloth, Plastic, Rubber, Plastic Film, Textile Fabrics, Nonwovens, Felts, Geomaterials, Floor Coverings, Leathers and Wipes.



49-76/77 FEATURES

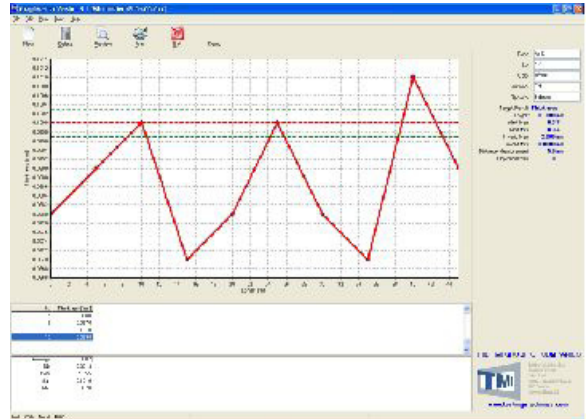
- Large digital display
- Auto zero
- Two measurement ranges: 0.0000-1.2700 mm or 0.000-12.700 mm
- Special anvil diameters and dead weight loads available
- Calibrated gauge blocks (*available, for instrument verification*)
- Motorized auto cycling
- Imperial or metric units (*please specify*)
- Serial port

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GRAPHMASTER™ OPTION

GraphMaster™ provides data collection, plotting and analysis with export capabilities for our 49-76/77 series of Digital Micrometers. GraphMaster™ can profile a series of measurements creating a real time plot of thickness versus interval, or distance.

Sample trend and profiling analysis is easily done with user definable target, minimum and maximum values. GraphMaster™ provides a one click Database feature to save critical test information and provide export reporting using Microsoft® compatible programs.



SPECIFICATIONS

Model	49-76	49-77
Range	0.0000-1.2700 mm (0.00-50.00 mil)	0.000-12.700 mm (0.00000-0.50000 in)
Resolution	0.5 µm (0.02 mil)	5 µm (0.2 mil)
Accuracy	1.0 µm (0.04 mil)	12.7 µm (0.50 mil)
Dwell time	2 sec	2 sec
Contact pressure	Dead weight	Dead weight
Power	110/220v 50/60 Hz	110/220v 50/60 Hz

INSTRUMENT SIZE

Height	290 mm (11.4 in)	290 mm (11.4 in)
Width	150 mm (6 in)	150 mm (6 in)
Depth	200 mm (8 in)	200 mm (8 in)
Net weight	9 Kg (20 lbs)	9 Kg (20 lbs)
Gross weight	15 Kg (33 lbs)	15 Kg (33 lbs)

STANDARDS

Paper & Board	TAPPI T 411, ISO 534, DIN 53105, BS EN 20534, ISO 3034, BS 4817, APPITA 1301.426, PAPTAC D.4
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Note: Only the 49-76 configured with appropriate pressure foot and dead weight is capable of meeting above standards.

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