

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.

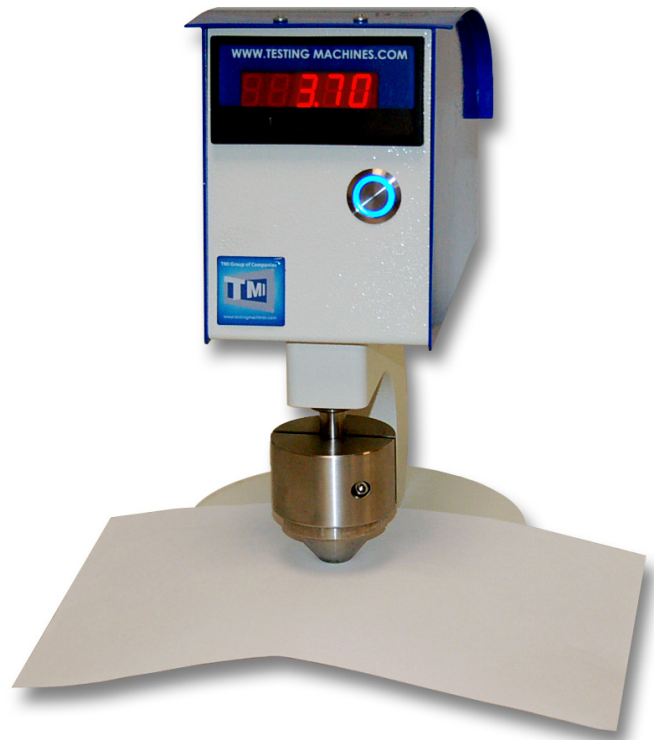
The 49-76/77 can be configured to meet variety international specifications and test standards for different types of materials including plastic film, paper, corrugated, tissue paper, nonwovens, textiles and other sheet like substrates.

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 0.000-1.250 mm (0.00-50.00 mil).
- Model 49-77 has a range of 0.000-12.000 mm (0.0000-0.5000 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

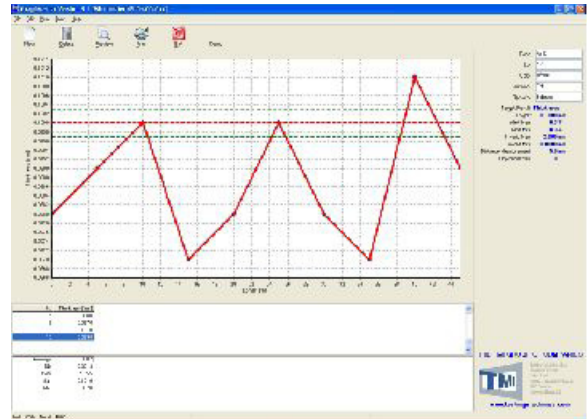
- Large digital display
- Auto zero
- Two measurement ranges- 0-1.250mm or 0-12.00mm
- Special anvil diameters and dead weight loads available
- Calibrated gauge blocks (available, for instrument verification)
- Motorized auto cycling
- Imperial or metric units –(PLEASE SPECIFY)
- Serial port

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GRAPHMASTER™ OPTION

GraphMaster™ Caliper 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	0.000-1.250 mm (0.00-50.00 mil)	0.000-12.000 mm (0.0000-0.5000 inch)
Resolution	0.2 µm (0.02 mil)	1 µm (0.1 mil)
Accuracy	1 µm (0.04 mil)	4 µm (0.16 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

Plastic Film	ASTM D 6988, BS 2782-6, DIN 53370, ISO 4593: 1993,
Paper & Board	TAPPI T 411, ISO 534, DIN 53105, BS EN 20534, ISO 3034, BS 4817, APPITA 1301.426, PAPTAC D.4
Textiles	ASTM D 5729, ASTM D1777, EDANA 30.4, ISO 5084, ISO 9073-2

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Testing Machines Inc.
40 McCullough Drive
New Castle, DE 19720 USA
Tel: (302) 613-5600 | Fax: (302) 613-5619
info@testingmachines.com

Adamel Lhomargy SARL
Z.A. de l'Habitat, Bâtiment 6
Route d'Ozoir, 77680, Roissy en Brie, France
Tel:+33 (0) 1 6440291 | Fax:+33 (0) 1 64409211
adamelhomargy@testingmachines.com

Messmer Büchel
Fokkerstrat 24, 3905 KV
Veenendaal, Netherlands
Tel:+33 (0)318 521500 | Fax:+33 (0)318 5400358
buchel@testingmachines.com

TMI Canada
40 McCullough Drive
New Castle, DE 19720 USA
Tel: (302) 613-5600 | Fax: (302) 613-5619
canada@testingmachines.com

Lako Tool and Manufacturing Inc.
7400 Ponderosa Road
Perrysburg, OH 43552 USA
Tel: (419) 662-5256 | Fax: (419) 662-8225
inquiry@lakotool.com

TMI Europe
Taubenstraße 22
41236 Mönchengladbach, Germany
Phone: +49-2166-2882 Fax: +49-2166-24645
info@tbl-textile.de

Lawson Hemphill
1658 G A R Highway
Swansea, MA 02777 USA
Tel: (508) 679-5364 | Fax: (508) 679-5396
information@lawsonhemphill.com

TMI Asia
Jalan Warung Contong Timur No. 1
Cimahi, 40524, West Java, Indonesia
Tel/Fax: +62-22-665 8406 | Cell: +62-815730-26372
warcon1@bdg.centrin.net.id