

Digital Micrometer

Model 49-56



Features

- Easy-to-use
- Small foot print
- Low foot pressure capabilities
- Units include; mm, μm , mil
- Optional strip feeder
- Suitable for multiple material applications
- Computer compatible with GraphMaster™ software

Measuring thickness

The model 49-56 Digital Micrometer combines unmatched accuracy and resolution, a modern contemporary look. The Micrometer can be configured to meet ISO, ASTM, TAPPI, EDANA or other international specifications. The Micrometer offers a cantilever balance system to allow low pressure measurements. This feature also allows adding or removing additional weights for multiple pressure applications. The instrument is supplied with a sensing eye next to the anvil. When a sample is detected the test cycle automatically starts.

Test results

The rigid frame and linear encoder enable repeatable and accurate results. A large touchscreen displays test data to $0.1\mu\text{m}$ resolution. Individual and rolling average results are displayed after each test. A statistic mode provides further analysis. The software with intuitive menu allows easy operation.

Applications

Paper, corrugated, cloth, plastic plastic film, textile fabrics, nonwovens battery separators, felts, leather, tissue paper and others

International Standards

- ASTM D374, D1777, D5729, D6988
- ISO 534, 3034, 4593:1993, 5084 9073-2, 12625-3
- APPITA 1301.426, TAPPI T-411, EDANA 30.4, PAPTAC D.4, DIN 53370, BS 2782-6
- WSP 120.1, WSP 120.6

(Is your requirement standard not here? Ask us)

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Reducing drift



The solid base of the micrometer is machined out of one piece. This, combined with improved electronics, limits the drift to nearly zero.

Testing made easy



Testing is quick and easy. Parameters are software controlled and can be adapted, such as gap height, auto test mode, auto-zero and dwell time.

Combination anvil



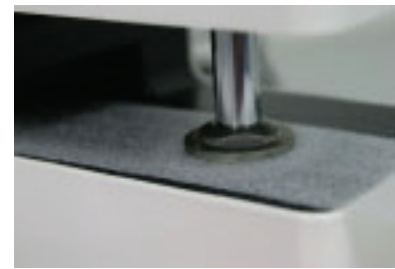
An optional combination anvil allows the operator to change the diameter of the pressure foot. Different standards can be tested on one unit.

Installation requirements

Electrical:	90-230 V and 50/60Hz
Dimensions:	265 x 110 x 335 (LxWxH) 10.4 x 4.3 x 13.2 inch
Weight:	± 13kg (28.6 lbs)
OutPut:	RS 232 and Printer connection
Optional accessories:	GraphMaster software Strip feeder Foot switch Support table

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Cantilever



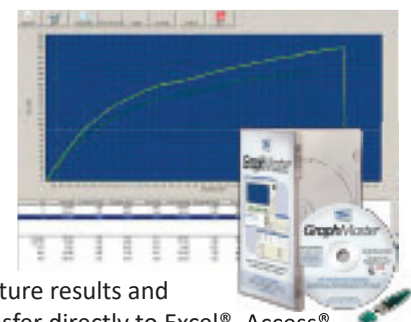
A cantilever mechanism allows for very light pressures. Compressible materials such as thin films and paper tissue can be measured.

Increasing the pressure



The micrometer has the option to vary pressure. A variety of pressure foot weights are available to increase the pressure on the upper anvil.

Powerful software



Capture results and transfer directly to Excel®, Access®, or clipboard with GraphMaster™ software. Test reports are automatically generated.

Specifications

Model:	49-56 Series
Measuring Units:	µm, MM and mil
Measuring range:	0-10 mm; 0 -10,000 µm; 0-394 mil
Accuracy:	within 0.001 mm (0.00004 in.) or 1% of paper thickness, whichever is better <i>(Special configurations might influence the accuracy)</i>
Anvil dimension:	several options
k Pa:	several options <i>(Contact us with your requirements)</i>
Lowering speed:	0.8 - 5.9 mm/sec
Languages:	9

