



# Digital Micrometer

## Model 49-56



### 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 $\mu$ 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.

### Features

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

### 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 required standard not here? Ask us.)*

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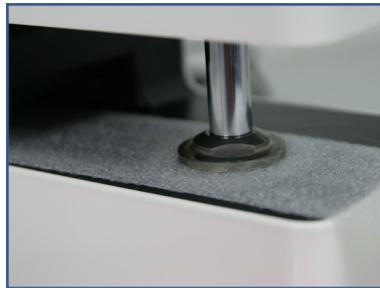


### Reducing drift



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

### Cantilever



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

### 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.

### Increase the pressure



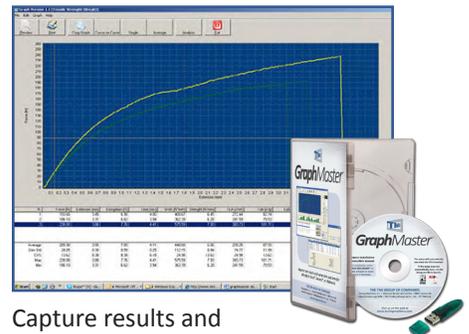
The micrometer has the option to vary pressure. A variety of pressure foot weights are available to increase the pressure on the upper anvil.

### 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.

### 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
kPA	several options <i>(Contact us with your requirements)</i>
Lowering speed	0.8 -5.9 mm/sec
Languages	9

### Installation requirements

Electrical	90 - 230 V and 50/60 Hz
Dimensions	265 x 110 x 335 mm (LxWxH) 10.4 x 4.3 x 13.2 inch
Weight	± 13 kg (28.6 lbs)

### Output

RS 232 and Printer connection

### Optional accessories

- GraphMaster™ software
- Strip feeder
- Foot switch
- Support table

