Digital Micrometer

Model 49-56

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 an infrared sensor next to the anvil. When a sample is detected the test cycle automatically starts.

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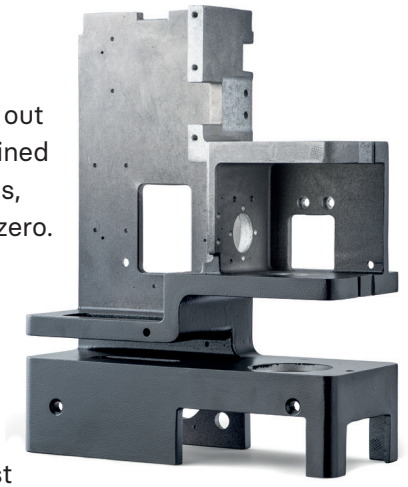
Protecting
Product Integrity

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.



Test results

The rigid frame and linear encoder enable repeatable and accurate results. A large touchscreen displays test data to 0.1µm 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.

Cantilever

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

Combination anvil

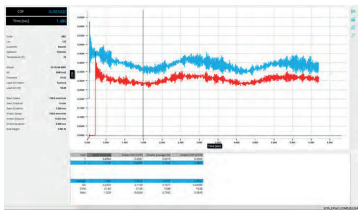
An optional combination anvil allows the operator to change the diameter of the pressure foot. Different standards can be tested on one unit.

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.

Various Pressures Available

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.

Contact Details

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Features

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

Applications

Paper, corrugated, 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.

Technical Specification

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

Installation Requirements

Electrical	90 - 230V and 50/60Hz
Dimensions	265 x 110 x 335 mm (LxWxH) 10.4 x 4.3 x 13.2 inch
Weight	± 13kg (28.6lbs)
Output	RS232

Optional/Accessories

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

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