

UNIVERSAL MICROMETER



Applicable standards:

DIN EN ISO 534
 DIN EN ISO 12625-3
 TAPPI T411
 etc.

Description

The universal micrometer is especially suitable to measure the thickness of various materials. This well proven instrument possesses exchangeable measuring pins and load weights which can be chosen according to the given standard. (E.g. measuring pin 2 cm² and 10 N load for paper and board, radius with 6 mm diameter and 0.5 N load for foils etc.) The sturdy, flexing-resistant housing provides for exact test results.

Test description

The sample is placed on the measuring area. The operator pushes the start button. The measuring pin lowers onto the sample and presses onto the sample with appropriate load pressure for a preset dwell time. An electronic sensor receives the measuring value, which subsequently is displayed. Statistic values and graphs can be read back after multiple tests. Those can optionally be forwarded to a PC and printed or stored.

Specifications

- Motor drive
- Measuring accuracy: 1 µm
- Stroke limit adjustable from 0-22 mm
- Sample support Ø 80 mm
- Throat depth 120 mm
- Lowering speed adjustable from 1-11 mm/min
- Dwell time adjustable from 0-999.9 s
- Various test modes selectable: manual test, single test, cycle test with or without dwell time
- Lifting and lowering of the measuring pin is motor-driven
- Measuring pin and loads are easily exchangeable
- Statistic functions of up to 50 tests
- Only one keystroke for calibration
- Compatible to MiniStat and PaperLIMS

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|--------------------|---------------------|
| Electricity | 110–230 V, 50–60 Hz |
| Water supply | None |
| Compressed air | None |
| Dimensions (WxDxH) | 25x24x37 cm |
| Net weight | 31 kg |
| Gross weight | 41 kg |