



StandAlone

Article No. S16502

# UNIVERSAL MICROMETER

For:



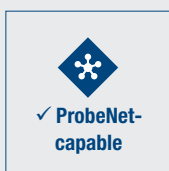
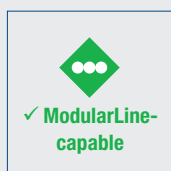
✓ PAPER



✓ BOARD



✓ TISSUE



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## MOST IMPORTANT BENEFITS

- ✓ **Warp-resistant housing**  
that thanks to its stability ensures exact measurement results
- ✓ **The measuring pin and weights are exchangeable**  
which enables the measurement of different materials with a single device

## PRODUCT DESCRIPTION

The universal micrometer consists of a warp-resistant housing, which ensures exact measurements thanks to its stability. On the front of the device there is a digital display and controls, as well as start and stop buttons. The high-precision measurement mechanism is protected by being integrated within the housing, and consists basically of a motor-driven lifting mechanism, a measuring pin, and the appropriate weight, which can be simply exchanged if required. This allows a single device to measure the thickness of materials acc. to different standards.

## TEST DESCRIPTION

The single or multiple layer sample is placed on the measuring area. The start button is pushed and the measuring pin goes downward toward the sample at the preset speed to apply the appropriate weight to the area acc. to standard. On elapsing of a preset period the high-definition sensor measures the thickness of the sample. Then the measuring pin returns to the start position. The measurement result is displayed on the digital display and saved as statistics. The option exists of switching from single to continuous operation, where the measuring pin moves back and forth continually, allowing several consecutive measurements to be carried out.

## TECHNICAL DATA

### DEVICE/INSTRUMENT

- High-resolution digital sensor
- Measurement range: 1 – 20,000 µm
- Testing speed adjustable: 1 – 11 mm/s
- Resolution: 1 µm
- Compatible with ProbeNet (see pages 78 – 81)

### INSTALLATION REQUIREMENTS

Electrical connection	110 – 230 V / 50 – 60 Hz
Water connection	No
Compressed air	No

### APPLICABLE STANDARDS

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

## MODELS

### PAPER ACC. TO TAPPI T411

Available measuring pins and weights: 2 cm<sup>2</sup> 1.0 kg

### PAPER ACC. TO ISO 534

Available measuring pins and weights: 2 cm<sup>2</sup> 2.0 kg

### BOARD ACC. TO ISO 534

Available measuring pins and weights: 10 cm<sup>2</sup> 2.0 kg

### TISSUE ACC. TO ISO 12625-3

Available measuring pins and weights: 10 cm<sup>2</sup> 0.2 kg



Changeable measuring pins and weights



Any form of measuring pins (size, shape, loadings) can be produced.