



ModularLine

# MICROMETER

Article No. S62200

For:



✓ PAPER



✓ BOARD



✓ TISSUE



## MOST IMPORTANT BENEFITS

- ✓ Easy operation via the integrated touch screen
- ✓ High-resolution digital sensor
- ✓ Testing speed adjustable
- ✓ Measuring time adjustable

 **FRANK-PTI**  
QUALITY TESTING INSTRUMENTS

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## PRODUCT DESCRIPTION

To determine the single layer thickness of paper, board, textiles and fibrous textile fabric, the ModularLine micrometer is outstanding thanks to its new technology and precision manufactured mechanism. The high definition digital sensor is uniquely capable of providing reproducibility and exactness. The feed system, which is also digitally controlled, allows the lowering of the touch probe with exact and constant speed. Many variants with different touch probes and weights fulfil the requirements of differing test standards for contact pressure. Along with the single layer thickness, the measurement of several layers (e.g. ten layers) is also possible.

## TEST DESCRIPTION

The single or multiple layer sample is placed on the measuring area. The start button is pushed and the test sequence is begun. The touch probe travels constantly downward at the set speed and is removed from the transport mechanism there, allowing it to apply the required pressure to the sample, free from outside influence. On elapsing of the period set in the test program, the value is determined and the touch probe travels back to the start position.

## TECHNICAL DATA

### DEVICE/INSTRUMENT

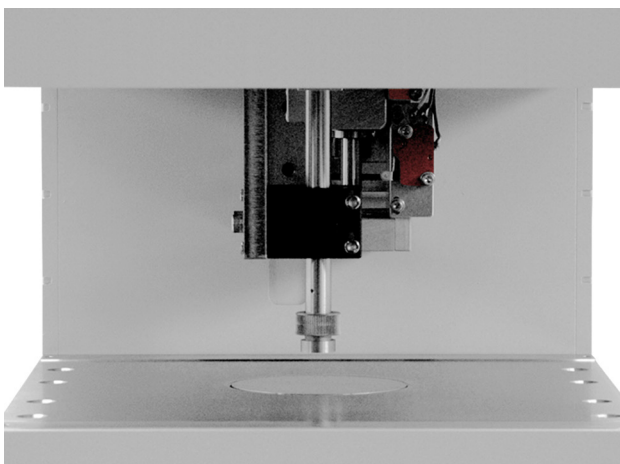
- Easy operation via the integrated touch screen
- High-resolution digital sensor
- Measurement range: 0.5 – 20,000 µm
- Measuring pins depending on model: 2, 10, 20 or 25 cm<sup>2</sup>
- Contact pressure depending on model: 0.125 – 20 N/cm<sup>2</sup>
- Testing speed adjustable: 0.1 – 6 mm/s
- Measuring time adjustable: 1 – 50 s
- Resolution: ± 0.5 µm (± 0.1 µm on demand)

### INSTALLATION REQUIREMENTS

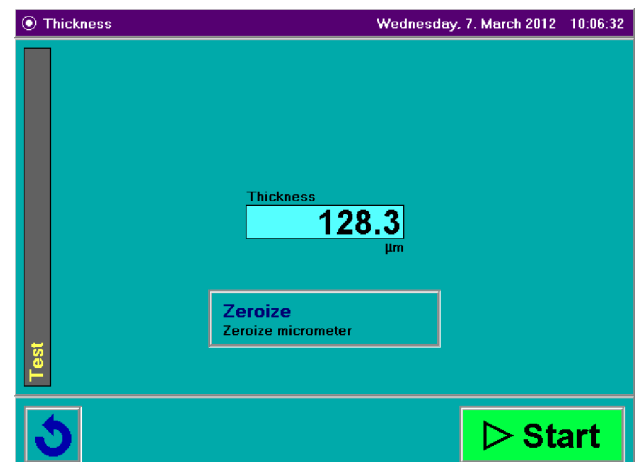
Electrical connection	110 – 230 V, 50/60 Hz
Water connection	No
Compressed air	No

### APPLICABLE STANDARDS

DIN EN ISO 534, 12625-3



Measuring pin with 2 cm<sup>2</sup> measuring area



User interface