

# MI-1000 Micrometer



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The ChemInstruments Micrometer has been designed to meet the needs for thickness measurement of substrates for various industries. The standard unit meets or exceeds numerous test methods such as ASTM D645, D374, D3652, PSTC 133 & TLMI T-411. It is capable of measuring paper, tissue, corrugated paperboard, carton board, fiberboard, felt, film, foil, plastic and rubber.

This versatile unit has three modes of operation: single, continuous and batch. In the single test mode, the presser foot cycles with each press of the start button. In the continuous mode, the presser foot cycles continuously. In the batch mode, the micrometer can be set to run a series of measurements. The number of cycles can be set from 1 to 50 with a pause between each measurement. In all modes, the presser foot travels and pauses per ASTM D645 method.

- Accurate to 0.05 mils.
- Units of measurement can be switched from mils to millimeters with the push of a button.
- All test results can be exported to the optional printer. Printer function can be set to print all measured tests or an individual test upon operator command.
- Compact design with carrying handle allows for easy and safe transport.
- Automatic calibration sequence built into the operating program.
- A NIST traceable 0.040 inch (1mm) gauge block for calibration is supplied with each unit.
- Range of measurement is 0-50 mils.
- Operating temperature 0 to 70 Celsius
- **Warning! Equipment needs to be completely free of condensation inside and out, before applying power!**

## Dimensions (approx.) Options

|         |                |   |                 |
|---------|----------------|---|-----------------|
| Height: | 12" (30cm)     | • Mitutoyo DP-1HS miniprocessor & printer for SPC | • 240 VAC/50 Hz |
| Width:  | 7.5" (19cm)    |   |                 |
| Depth:  | 10" (26cm)     | • NIST traceable full set gauge blocks            |                 |
| Weight: | 16.5lbs. (8km) | • Custom sized presser foot weight                |                 |