



No.2137

Automatic up-and-down thickness Micrometer

Thickness of paper is an essential property closely related to the basis weight. Thickness influences physical and optical properties, and has a close relationship with printability.

This gauge measures the thickness of paper and film down to micron order. Measurement is done by a differential transformer, and the result is digitally shown on a large-size LED display. Very easy to operate, with high reproducibility. A model with built-in printer and a model with RS-232C output are also available for avoiding errors in reading and transcription.

Standard model TM-600**Measurement range:**

0 to 1.500mm, digital display (space below the measurement element in the upper position: max. 1.9mm)

Measurement accuracy: + 1 μ m (at a constant room temperature)

Parallelism: 1 μ m

Measurement element end diameter: 16mm (JIS, ISO)

Downward movement speed of measurement element: 2.5mm/second

Measurement table diameter: 38mm

Measurement pressure: 50kPa or 100kPa, deadweight

Measurement axis movement time: 4 seconds/cycle

Measurement time: about 2 seconds (when the thickness is 0mm)

Function: continuous automatic up-and-down, rapid zero adjustment

Optional: built-in printer, RS-232C output

Referential standards: JIS P-8118-98, TAPPI T-411om-97, ISO 534-2011

Power source: 100/110VAC 50/60Hz 1A

Outer dimensions: 220 x 385 x 415mm (with printer)

Instrument weight: 27kg

Model with paper feeder TM600-F

The TM600 series includes a model with built-in feeder, which enables continuous measurement. It is provided with specimen feed rollers by the side of the measurement section. Feed rate can be set in centimeters. Use of optional built-in printer ensures excellent operation efficiency.

Feed rolls: rubber (upper and lower rolls)

Feed rate: set at an increment of one centimeter

Optional: built-in printer, RS-232C output

Power source: 100/110VAC 50/60Hz 1A

Outer dimensions: 285 x 420 x 415mm (with printer)

Instrument weight: 32kg

