TM-600

TM-600F

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 1.500 mm, digital display
(space below the measurement element in the upper position:max.1.9 mm)
Measurement accuracy:±1 μm
(at a constant room temperature)
Parallelism: 1 μm
Measurement element end diameter: 16 mm (JIS, ISO)
Downward movement speed of measurement element: 2.5 mm/second
Measurement table diameter: 50 mm
Measurement pressure: 50 kPa or 100 kPa, deadweight
Measurement axis movement time: 4 seconds/cycle
Measurement time: about 2 seconds
(when the thickness is 0 mm)
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 534-1988
Power source: 100/110 VAC 50/60 Hz 1 A
Outer dimensions: 220×385×415 mm (with printer)
Instrument weight: 27 kg

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: 100/110 VAC 50/60 Hz 1 A
Outer dimensions: 285×420×415 mm (with printer)
Instrument weight: 30 kg