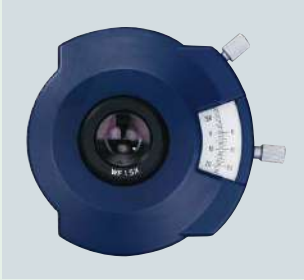


TM SERIES 176 — Toolmakers' Microscopes

Angle Index (Standard Accessory)



- Compact universal toolmakers' microscope that can be installed on any site.
- Newly designed LED illuminators provide enhanced observation for higher accuracy and resolution.
- Optional LED circular illuminator available for applications requiring all-round lighting.
- Achieves a maximum measuring height of 115 mm despite the compact size.
- Installation of Digimatic micrometer heads (**164-163**, optional) makes measurement easy and precise.
- A vernier scale (Angle Index) built into the eyepiece mount enables accurate angular measurements.
- Lenses are available for a wide range of magnifications (20X to 200X in total).



TM-505B



TM-1005B

Note: Micrometer heads are optional.

SPECIFICATIONS

Model No.	TM-505B	TM-1005B	
Order No.	176-818	176-819	
Optical tube	Monocular type (Vertical tilt angle: 30°)		
Observation image	Erect		
Objective protractor	Resolution (graduation): 1°, Rotation angle: 360°, Resolution (angle): 6', Adjustable zero point		
Eyepiece	Standard accessory: 15X (field number: 13), Options: 10X, 20X		
Objective lens	Standard accessory: 2X, Optional: 5X, 10X		
Microscope head	Maximum height of workpiece	115 mm	
	Focusing method	Manual (Coarse feed)	
Illumination unit	Transmitted illumination	Stepless brightness adjustment, White LED light source with green filter	
	Reflected illumination	Oblique single-source type, Stepless brightness adjustment, White LED light source	
Cross-travel stage	Measuring range	50x50 mm	100x50 mm (An optional 50 mm gauge block is required to cover full range. A CERA block is recommended.)
	Table size	152x152 mm	240x152 mm
	Usable area of the stage glass	96x96 mm	154x96 mm
	Maximum stage glass loading	5 kg	
Linear measurement method	Micrometer head*		
Resolution	Depends on the micrometer head specifications* (for 164-163 : 0.001 mm)		
Micrometer head travel range	For 164-163 : 50 mm		
Power supply	AC 100 to 240 V 50/60 Hz Maximum power consumption: 4.2 W		
Main unit mass	14 kg	15 kg	

* Micrometer heads are optional for **TM-505B** and **TM-1005B**.

Note: The main unit with Digimatic micrometer head (**164-164**) is provided in the **TM** Series.

TM-A505B (176-820A)

TM-A1005B (176-821A)

Other specifications are the same as the other **TM** Series.



Refer to the **TM** Series Brochure (**E14013**) for more details.