

Measuring Microscope TM Generation B Series

Specifications

Observation image	Erect
Angle reading	Range: 360° Minimum reading: 6' (by vernier)
Objective lens	2X (176-138) Working distance: 67 mm Optional: 5X, 10X
Eyepiece	15X (176-116), View field ø13 mm Optional: 10X, 20X
Total magnification	30X
Transmitted illumination	Light source: White LED with green filter Functions: Light intensity adjustable
Surface illumination	Light source: White LED Functions: Light intensity adjustable
Power supply	100/240V AC, 50/60Hz
Mass	TM-505B: 14 [kg] TM-1005B: 15 [kg]

Standard accessories

No.	Description
176-116	Eyepiece for TM 15X
176-138	Objective Lens for TM 2X
176-126	Reticle for TM, 90° Broken Cross-hair

Optional accessories

No.	Description
63AAA001	LED ring light, for TM-500
63AAA353	HDMI USB camera set for TM microscopes

HDMI USB camera set for TM microscopes (63AAA353) - Set includes:
63AAA059 - HDMI16MDPX camera, including HDMI cable, mouse and
simple calculation and reporting software on SD card
63AAA060 - 0.37X C-mount to Eyepiece adapter for TM microscopes
63AAA155 - Mechanical adapter for mounting the HDMI camera on the
ocular tube



Optional LED ring light
63AAA001

Digital camera for TM microscopes

Mounting the HDMI6MDPX digital camera into the ocular tube transforms the TM microscope into a digital microscope.

- HDMI6MDPX, 6 megapixel colour camera with direct HDMI output to a monitor, no PC necessary
- Integrated SD card for saving images and pre-installed software for performing basic in-screen measurements
 - Intuitive operation of the software with standard supplied USB mouse

With this Toolmaker's Microscope you can measure dimensions and angles on small workpieces thanks to the optional analogue or digital micrometer heads and the built-in circular scale.

Further benefits of the TM Generation B include:

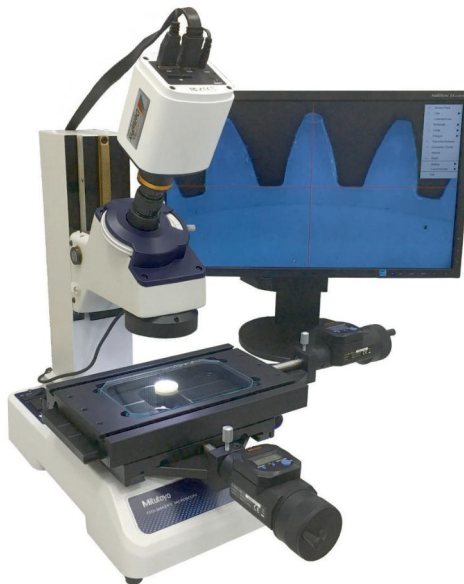
- Toolmakers microscopes well-suited for measuring dimensions and angles of features on small workpieces with the XY stage and rotating eyepiece scale.
- Compact design with recessed grips for better portability. The slim design makes this microscope ideal for use in areas with limited space.
- Powerful adjustable LED light sources for contour and surface illumination provide optimum lighting conditions for workpiece inspection.
- The TM Generation B is available with work stages of 50 x 50 mm or 100 x 50 mm.



TM-505B fitted with optional digimatic micrometer heads



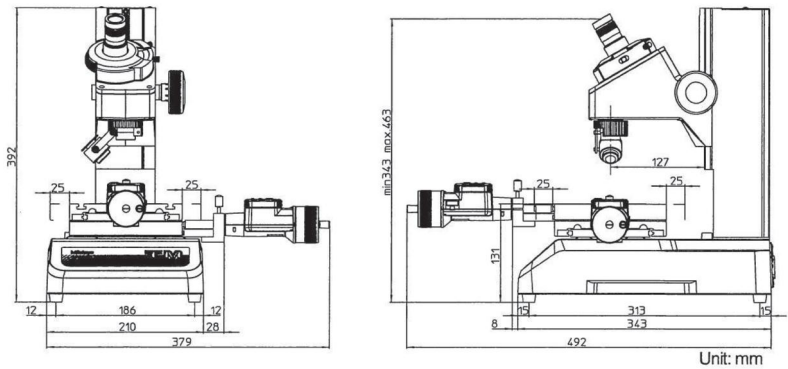
Rotating eyepiece with angle reading



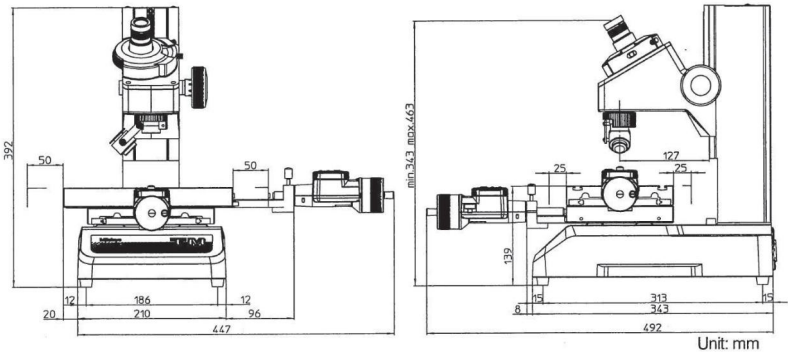
TM-1005B with optional LED ring light (63AAA001), 0.37X Eyepiece adapter (63AAA060) and digital HDMI camera (63AAA059)

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No.	XY stage table top size	Effective area of table	XY stage travel range	Max. workpiece height
176-818D	152 x 152 mm	96 x 96 mm	50 x 50 mm	115 mm
176-819D	240 x 152 mm	154 x 96 mm	100 x 50 mm	107 mm



TM-505B



TM-510B