

TM-500 Microscope

SERIES 176 – Toolmakers' Microscope

- The Mitutoyo TM Series is a toolmakers' microscope well suited for measuring dimensions and angles of workpiece features. It can also be used to check the shape of screws and gears by inserting an optional reticle in the eyepiece.
- The compact body makes it ideal for use on shop-floors with limited space for measuring instruments.
- Angle measurement is performed easily by turning the angle scale to align the cross-hair reticle with the workpiece image.
- Illumination intensity can be adjusted.



TM-505

TM-510



Technical Data

Observation image:	Erect image
Optical tube:	Monocular (diopter adjustable)
Depression angle:	30°
Reticle:	90° broken cross-hair (176-126)
Angle reading	
Range:	360°
Min. reading:	6' (by vernier)
Eyepiece:	15X (176-116), View field ø13 mm Optional: 10X, 20X
Objective:	2X (176-138), Working distance: 67 mm Optional: 5X, 10X
Total magnification:	30X
Transmitted illumination	
Light source:	Tungsten bulb (24V, 2W)
Functions:	With green filter, light intensity adjustable
Surface illumination	
Light source:	Tungsten bulb (24V, 2W)
Functions:	Light intensity adjustable
Power supply:	100/110/120/220/240V AC, 50/60 Hz
Mass:	13.5 kg (14.5 kg: TM-510)

Angle reading



SPECIFICATIONS

Model	TM-505	TM-510
Code No.	176-811CEE	176-812CEE
XY stage travel range	50 x 50 mm	100 x 50 mm
Measurement method	Micrometer head (optional)	
XY stage table top size	152 x 152 mm	240 x 152 mm
Effective area of table	96 x 96 mm	154 x 96 mm
Max. workpiece height	115 mm	107 mm
Max. stage loading	5 kg	
Price	£2420.00	£3130.00