

MEASURING INSTRUMENTS

TM-505, TM-505D, TM-510, TM-510D

Toolmaker's Microscopes: Series 176

TM-505



Toolmaker's Microscope
with Camera System
with Monitor.
64AAA961



Specifications

Optical tube	<ul style="list-style-type: none"> • Monocular at 30° angle • Broken-cross-hair reticle (176-126) • Erect image • Diopter adjustable
Eyepiece protractor	<ul style="list-style-type: none"> • Graduation: 1° • Protractor range: 360° • Angle reading: 6' vernier
Eyepiece	<ul style="list-style-type: none"> • Magnification: 15X • Field Number: 13mm
Objective	<ul style="list-style-type: none"> • Magnification: 2X • Working distance: 2.638" (67mm) • Numerical aperture: 0.07
Total magnification	• 30X
Transmitted illumination	<ul style="list-style-type: none"> • Light source: Halogen bulb (24V, 2W)(383038) • GIF filter • Adjustable light intensity
Reflected illumination	<ul style="list-style-type: none"> • Oblique single-bulb illumination (64AAA968) • Optional twin-bulb illumination (176-203) • Light source: Halogen bulb (24V, 2W)(383038) • Adjustable light intensity
Power supply	• 100/110/120/220/240V AC, 50/60Hz
Power consumption	• 100 VA

Model	TM-505	TM-505D	TM-510	TM-510D
Order No.	176-811A	176-808A	176-812A	176-809A
Focusing				
Maximum workpiece height	4.53" (115mm)		4.21" (107mm)	
XY Measurement				
Measuring Unit	Optional	Digimatic Micrometer Head 164-162 (2 pcs.)	Optional	Digimatic Micrometer Head 164-162 (2 pcs.)
Max. Workpiece height	4.52" (115mm)		4.21" (107mm)	
XY table travel	2 x 2" (50 x 50mm)		4 x 2" (100 x 50mm)	
Table Top Dimensions	5.98 x 5.98" (152 x 152mm)		9.45 x 5.98" (240 x 152mm)	
Effective area of glass stage	3.78 x 3.78" (96 x 96mm)		5.91 x 3.62" (150 x 92mm)	
Maximum workpiece load	11 lbs. (5kg)		11 lbs. (5kg)	

*If the stroke of the XY stage exceeds the measuring range of the micrometer head, use the optional gage block.