

Metallurgical Microscope

Carmar Metalloscope has two sighting systems: television image and visual optics, which can be used to observe metallographic structure of a metal's surface. This instrument is mainly applied in 2D measurement, sometimes in 3D aided measurement as well.

Carmar Metalloscope high precision and high efficiency measuring instrument that takes image, eyepiece and nanoscale height into consideration, and integrates optics, machinery, electronics, computing and video. It is widely used in manufacturing sectors, such as electronic components, precise mold, precise tool, plastic, PCB, coating's thickness, handset grass and more.

Features:

1. X, Y, Z axes resolution: 0.5µm.
2. Z-axis rough adjustment / fine adjustment rotary knob both available.
3. Coaxial surface light measurement or bottom light measurement available.
4. Built-in polarized light measuring module.



Specifications:

Model		TMM-1510S	TMM-2010S
Stage Size (mm)		354 x 228	404 x 228
X/Y/Z Travel (mm)	X	150	200
	Y	100	100
	Z	120	120
Glass Size (mm)		210 x 160	260 x 160
Dimension (mm)		590 x 530 x 850	590 x 575 x 850
Weight (kgs)		100	110
Resolution (µm) & Accuracy		0.5 micron & $\leq (3 + L/200) \mu\text{m}$; L: measuring length (mm)	
Eyepiece System	Lens magnification	5X, 10X, 20X, 50X	
	Eyepiece magnification	10X dual lens cone	
	Total magnification	50X ~500X	
Video System	Lens magnification	5X, 10X, 20X, 50X	
	Eyepiece magnification	Japan 1/2" CCD camera	
	Total magnification	142.5X ~1425X (calculated under 19.5 inches display. Resolution: 1440 x 900) Estimated value	
Transmission & Bottom illumination		Halogen lamp Adjustable brightness & adjustable LED brightness	
Power Supply		AC220V/110V 50/60 Hz	

Contact us if you need larger travel range!

Carmar reserves the right to alter the specifications