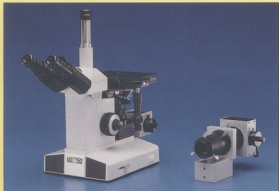


MS-2 IM2 INVERTED METALLURGICAL MATERIALS MICROSCOPE

Up-To-Date and economically priced materials microscope easily adaptable to a video microscope.



For over 40 years, the recognized reputation for dependable high quality inverted microscopes have made UNITRON the specified choice in leading industrial, educational and research facilities throughout the world.

Now adding to this distinguished line, UNITRON offers MS-2 IM2, a straightforward easy to use inverted materials microscope to meet the need of the modern day microscopist.

Stand: Modern inverted design with built-in base transformer and variable light intensity control to operate 6v 20 watt halogen illuminator.

Stage: Built in mechanical stage 150x160mm with 30x30mm orthogonal motions with low-positioned coaxial controls.

Body: Binocular or trinocular models with Siedentopf design which gives a constant optical path regardless of differences in eye separation among individuals. Thus assuring no change in magnification and parfocality of objectives and values of micrometer scales and reticles used for measuring purposes.

Optics: Revolving nosepiece with coated parfocal achromatic objectives M5X (N.A. 0.10) M10X (N.A. 0.25), M20XR (N.A. 0.45) and M40XR (N.A. 0.65) Coated NWF 10XR high eyepoint widefield eyepieces. (to accept reticles and with focusing eyelens), with eyeguards.

Accessories: CCTV, printers, cameras for Polaroid or 35mm photography, Koehler illuminator with field and aperture diaphragms, 100x plan achromatic objective, 15X, 20X and measuring eyepieces and reticles for grainsize and measuring.

MS-2 IM2 Inverted Standard Specification Chart

MODEL	MONOCULAR	BINOCULAR	TRINOCULAR
	MS-2 IM2	MS-2 IM2B	MS-2 IM2TR
Objective designed for use at 210mm tube length	MSX N.A. 0.01 WD 20mm M10X N.A. 0.25 WD 7.5mm M20XR N.A. 0.40 WD 2.2mm M40XR N.A. 0.65 WD 0.60mm		
Eyepieces, widefield focusable with reticle cell	NWF 10XR (single) with eyeguard	BINWF10XR Pair, with eyeguards	
Magnification 1X Factor	50X to 400X		
Body Tube	Monocular	Binocular Siedentopf design with interpupillary and dioptic adjustments	Trinocular Siedentopf with interpupillary and dioptic adjustments
Illuminator	Brightfield Koehler type vertical illuminator, complete with lamp housing and centerable 6V 20W halogen filament bulb and green filter		
Transformer	Built-in base with variable controls		
Focus Controls	Stage height is adjustable by coaxial coarse and fine focus controls		
Stage	Mechanical graduated 150x160mm with 30x30mm cross motion reading 0.1mm by vernier provided with low position controls		
Other Equipment	Stage clip, stage insert plate, spare bulbs and dustcover		

Optional Accessories:

Camera: 4100A Polaroid 3"x4" SLR MicroCam
15325 TV Adapter
21006 CCTV Color System
21007 CCTV Black & White System

Eyepieces: 15547 single WFH15XR widefield eyepiece
15548 paired BIWFH15XR widefield eyepiece
15574 single WF 20XR widefield eyepiece
15712 single standard NWF10XR eyepiece
15715 paired B20XR widefield eyepiece
15536 EGT Austenite 10X grainsize turret eyepiece
15563 EAG-WF Austenite 10X grainsize eyepiece

Replacement: 15435 6V 20W halogen bulb

Measuring: 15719 LIMS (0.1mm) micrometer reticle
15721 L2MS (0.05mm) micrometer reticle
15723 L3E5 (0.01") micrometer reticle
15537 S10S Austenite grainsize reticle
15553 ASME Stage micrometer inch scale
15554 ASMM Stage micrometer metric scale
15553P ASME Stage micrometer inch scale traceable to NIST
15554P ASMM Stage micrometer metric scale traceable to NIST

Objectives: 15165 M50XR Achromatic N.A. 0.68 is available to achieve ASTM standard of 500X
15170 M100XR Plan dry N.A. .90