



Inverted Metallurgical Microscope LD-LIMM-A10

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Overview

Inverted Metallurgical Microscope LIMM-A10 is new design infinity optical system inverted stage metallurgical microscope. Features with polarizer, fixed analyzer, 360° rotatable analyzer, DIC attachment, filters, high precision micrometer and Blue, green, yellow and LBD filters. Designed with 45° inclined trinocular viewing head, 360° rotatable. It makes this microscope highly efficient and reliable. It has wide applications in research work in metallography, mineralogy, electronics etc.

Features:

- Designed with infinity optical system
- Ergonomic design with low position operating knobs 360° rotatable viewing head and reduce the fatigue from long time use
- Metal casting frame with corrosion and wear resistance technology
- Built-in magnet for hexagonal wrench keeping Long working distance plan achromatic metallurgical objectives 5X, 10X, 20X, 50X, 100X
- Designed with built-in sensor in nosepiece, the objective magnification on using is visible from the front plate
- Economic ECO infrared sensing system allows microscope in preset to be shutdown mode when there is no operator within limited time
- Supports for bright field, dark field, polarizing and differential interference contrast

Applications:

Inverted Metallurgical Microscope is used in industry research as forging, smelting, heat treatment, inspection of raw material also used in electronics, telecom, cast iron nodularity and flake analysis, metallurgy, grain sizing, surface examination, mobile phone manufacturing, metal manufacturing, antennae production and shavers and watch production.

Specifications:

Stage	Three layers rack less stage, size 240 × 250 mm moving range 50 × 50 mm, low-position handle knob
Eyepiece	High eye point wide field plan eyepiece PL10X 22 mm, with adjustable diopter, reticle attachable
Dimension	361 × 749 × 406 mm
Nosepiece	Inward quintuple bright & dark field nosepiece (DIC slot), with built-in magnification sensor
Objective	Long working distance plan achromatic metallurgical objectives 5X, 10X, 20X, 50X, 100X
Net weight	16 kg

Color filter	Blue, green, yellow and LBD filters
Focus system	Reflected frame low-position coaxial focusing system, coarse range 9mm (up 6.5mm, down 2.5mm), fine precision 0.002mm with upper limit and tension adjustment; with switch for bright and dark field, with variable field diaphragm and aperture
Viewing Head	45° inclined trinocular viewing head, 360° rotatable interpupillary distance 50 to 75 mm, binocular trinocular 100:0 or 0:100
Camera adapter	0.35X, 0.5X, 0.65X, 1X focusing C-mount
Illumination	External power adapter, input 100V-240V, output 15 V 13.4 A, light intensity adjustable
Optical System	Infinity color correct optical system
Selective breeding	DIC differential interference component
Anti-mold technology	Special anti-mildew system (five)