

#### DESCRIPTION

*Inverted Metallurgical Microscopes are suitable to observe microstructure of Metallographic opaque or transparent object. ACUCAL Inverted metallurgical microscope is equipped with excellent plan achromatic objectives and wide field eyepieces, the illumination mode is Kohler, so that the field is very uniformity. The instrument is designed very compact in structure, to make the operation easily and comfortable.*



*This is ideal optical instrument for micro observation in metallographic structure and surface morphology, non destructive testing of materials in ceramics, textile, petrochemicals, defence, R&D establishments. It can be used in scientific research & universities for Metallography, Mineralogy, precision engineering etc in accordance with ASTM E112.*

### TECHNICAL SPECIFICATION

Standard Eyepiece	Extra Wide Field 10X/ Ø18 or 10X/Ø20 eyepiece pair, High Eyepoint, Antifungus. Micrometer Eyepiece 10X, Least Count 0.1mm (Optional)
Objectives	Plan Achromatic (Bright Field, M Long Working Distance, Parfocal and precentered ) : PL L 10X/0.25, WD 8.8mm PL L 20X/0.40, WD 8.6mm PL L 40X/0.60, WD 3.73mm PL L 100X/1.25, WD 0.33mm (Spring, Oil)  PL 5X/0.12, WD 16.0mm (Optional)
Magnification	100X to 1000X (With standard eyepiece & objective)
Eyepiece Tube / Viewing Head	Sidentop (Butterfly Design) Viewing Observation Head Inclination angle is 30° and Interpupillary distance is 53~75mm. Beam Splitter : 100:0%
Focusing system	Coaxial coarse/fine focus system, with tension adjustable ring, Manual Focus adjustment , pre-focusing lever Coarse Stroke: 37.7mm per rotation , Fine Stroke: 0.2mm per rotation
Nosepiece	Quadruple (Backward ball bearing inner locating)
Stage	<ul style="list-style-type: none"><li>• Mechanical stage, coaxial x-y movement, Sample Holding</li><li>• Overall size: 180mm X 150mm, X-Y moving range: 15mm x 15mm . Sample Holding plate with Sample Holding Clip</li><li>• Stable, vibration free, smooth and error free measurement at higher magnification</li></ul>
Kohler Epi Illumination system	Halogen 6V/20W Or 5WLED, 85-240V AC/50Hz, Adjustable brightness through rotary control switch, on and off switch. Integrated field diaphragm , aperture Iris diaphragm.
Filter	Blue, Yellow, Green & Ground
Standard Accessories	Extra Bulb, Dust Cover, Operating Manual, Styrofoam moulded pack.
Optional Accessories	Quintuple Nosepiece, Polariser Analyser