Microscope metallographical inverted “18AT”

EXCELLENT RESOLUTION. PLANACHROMATIC OPTIC.

APPLICATIONS

Microscope with high capabilities.
Made for large sample observations. Samples are placed on top of an open obstruction free stage.
Binocular or Trinocular configuration with a range of accessories, that convert the instrument into an versatile microscope ideal for the identification and analysis of different materials and alloys. Suitable for a wide range of scientific research applications in metallurgy, physical properties of metals, heat treatments and quality control.



Model triocular 18AT.

FEATURES

Head, binocular or trinocular (model dependent), 45° inclined angle.
Adjustable interpupillary distance from 53 to 77 mm.
Dioptric adjustment of ±5 dp in the left eyepiece, compensating for any visual differences.
Paired eyepieces, DIN quality. Wide field of view **WF 10x** (22 mm Ø).
Objectives DIN grade, planachromatic brightfield of **10x** (A.N. 0.25), **20x** (A.N. 0.50), **50x** (A.N. 0.70), retractable, and **100x** (A.N. 0.85), retractable, using immersion oil. Colour coded for easy and rapid identification.
Magnification range: 100x, 200x, 500x and 1000x.
The planachromatic objectives provide an excellent image, free from aberrations at the edge of the field of view.
Quadruple rotating objectives turret, rotates in both directions with stop locator when in the correct position.
Large sub stage of **242x200 mm,** rack and pinion adjustable height, with bilateral coaxial focus. Micrometer graduated in 0.002 mm steps and **macrometer,** with adjustable tension up to 19 mm.
Safety stop with a pre-set safety level.
Slide holder with scale of 0.1 mm, with a smooth X and Y rack and pinion movement of 15 mm **longitudinal** and 15 mm **traversal** movement.
Illumination: incidental (episcopic), Kölher, that consists of a condenser lens, condenser Abbe of 1.25 A.N., pre-centred with an iris diaphragm, filters and a pre-centred halogen 6 V / 30 W low voltage controllable light source.
Structure, robust with an illumination system in the base, intensity potentiometer and illumination switch.
Dimensions: 40 height x 25 Width x 61 cm depth.
Weight: 15 Kg.
Comes complete with a set of filters: blue, yellow, green and matt glass filter.

Microscope Triocular Part No. 18AT. Part No. 5901990

SPARE

Halogen lamp 6 V / 30 W. Part No. 5313069

ACCESSORIES



5313222

Digital reflex photographic kit composed of a mount, a shutter and a SD memory card of 2Gb. CMOS sensor higher than 10 megapixels. Speed up to 3 pictures per second. LCD display of 2,5 inches. Processed with total image control. Large area viewfinder and high luminosity.

Part No. 5313222

Eyepiece with wide field, of view WF-10x (22 mm) with reticule.
Part No. 5313064

Adapter thread CCD 0.5x.
Part No. 5313067

Adapter thread CCD 1x.
Part No. 5313068

Micrograph Kit comprising of:
Photographic adapter mechanism with eyepiece WF-10x with focus adjustment visor and objective of 4x (adaptable to **Digital reflex photographic kit**).
Part No. 5902014



5902014