

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 ideal versatile microscope 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.

FEATURES

Head, binocular or trinocular (model dependent), 30° inclined angle.

Adjustable interpupillary distance from 55 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** (16 mm \emptyset).

Objectives DIN grade, planachromatic brightfield of **10x** (A.N. 0.25), **25x** (A.N. 0.40), **40x** (A.N. 0.65), retractable, and **100x** (A.N. 1.25), retractable, using immersion oil. Colour coded for easy and rapid identification.

Magnification range: 100x, 250x, 400x 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 150x200 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), Köhler, that consists of a condenser lens, condenser Abbe of 1.25 A.N., pre-centred with an iris diaphragm,



Model triocular 17AT.

filters and a pre-centred halogen 6 V / 20 W low voltage controllable light source. **Structure, robust** with an illumination system in the base, intensity potentiometer and illumination switch.

Dimensions: 41 height x 20 Width x 31 cm depth.

Weight Model 17A: 10.5 Kg. Model 17 AT: 11 Kg.

Comes complete with a set of filters: blue, yellow and green, bottle of immersion oil, lamp, spare fuse dust cover and a wooden case.

Microscope Binocular Part No. 17A. Part No. 5901999

Microscope Trinocular Part No. 17AT. Part No. 5902000

ACCESSORIES

Eyepiece wide field of view WF-16x (single).

Part No. **5902010**

Eyepiece wide field of view WF-20x (single).

Part No. **5902011**

Eyepiece plan view 10x micrometric 0.1 mm/div. (single).

Part No. **5902012**

Eyepiece plan view 12.5x (single).

Part No. **5902013**



5902014

Micrograph Kit comprising of: Photographic adapter mechanism with eyepiece WF-10x with focus adjustment visor and objective of 4x (adaptable to a universal mount for a 35 mm camera).

Part No. **5902014**



5313216

Motorised camera back, Pentax of 35 mm, mount T2-PK and electronic cable trigger

Part No. **5313216**

Screw on adapter C for a video CCD camera.

Part No. **5902009**

SPARE

Halogen lamp 6 V / 20 W.

Part No. **5313023**