

MX 1000 (T)

Metallurgical microscope

- Trinocular metallurgical microscope with ICO Infinitive Optics
- Infinitive plan-achromat objectives:
 - reflected light: 4x, 10x, 20x, 40x, 80x
 - transmitted light: 40x, 100x
- Quintuple nosepiece
- Built-in Koehler Illumination
- Optical system provided with Anti-Fungus treatment



Specifications

MX 1000 (T) metallurgical microscope

General characteristics

| | |
|------------------------------|--|
| Magnification | — 1600x (transmitted light) — 1280x (reflected light) |
| Head | infinite trinocular head, 360° rotatable, 30° inclined, ±5 D, interpupillary distance 55–75 mm |
| Eyepieces | — widefield 10x/18 mm — widefield eyepiece 10x/18 mm with 0.1 mm micrometer (1 pcs) |
| Microscope body | sturdy metallic base 280 x 280 mm with supportive rubber feet |
| Nosepiece | quintuple reverse-angle ball-bearing nosepiece with 3 slots for brightfield objectives and 2 slots for darkfield objectives |
| Converter | for brightfield and darkfield |
| Objectives | reflected light: — plan-achromat ICO Infinite objectives: 4x/0.10 (brightfield), 10x/0.25 (brightfield and darkfield), 20x/0.40 (brightfield and darkfield), 40x/0.65 (darkfield), 80x/0.90 (darkfield) incident light: — plan-achromat ICO Infinite objectives: 40x/0.65 (spring loaded), 100x/1.25 (spring loaded, immersion oil) |
| Polarization set | built-in polarizer and analyzer |
| Stage | square stage with glass plate, 185x142 mm, mechanical graduated, right handed |
| Abbe condenser | Abbe condenser nA 1.25 with iris diaphragm, variable at height. |
| Focusing | — coaxial coarse and fine focus controls — stage focus control (protection of sample). — tension adjustment |
| Collector | Koehler illumination with auxiliary lens, field iris diaphragm and centering mechanism |
| Light source | — incident light: halogen lamp, 50 W, 12 V — transmitted light: halogen lamp, 20 W, 12 V |
| Power requirements | 220 V, 50 Hz |
| Temperature, humidity | 18–35 °C, less than 85 % |
| Weight | 14 kg |

Ordering Information

| Description | Code |
|---|------------|
| MX 1000 (T) trinocular metallurgical microscope, standard set | 09.1000.03 |

We reserve the right to change specification without notice.



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