

Microscopes, A. KRÜSS Optronic

Transmitted light microscopes MBL2000, binocular

High-performance microscope for a wide range of applications. Extensively expandable: e.g. with phase-contrast setting, dark field condenser, micrometre setup, planachromatic lenses and additional eyepieces.

Technical data:

- 45° angled view, 360° rotatable (with phototube: MBL2000-T and MBL2000-T-LED)
- 10× plane eyepieces, focal length 25 mm, field number: 18
- symmetrical eye distance adjustment 51–75 mm
- diopter adjustment on both sides with scale
- 4-fold revolving nosepiece
- lenses: achromatic: 4×/NA 0.10 and 10×/NA 0.25 and 40×/NA 0.65 and 100×/NA 1.25
- double lens Abbe condenser, NA 1.25, with centring, height adjustment and filter holder
- illumination with brightness control: Halogen bulb or LED (MBL2000-LED, MBL2000-T-LED)
- cross table with memory scale 0.1 mm pitch, movement range left-right 74 mm, forwards-backwards 30 mm
- coaxial coarse/fine knob with a range of 30 mm each with mobility adjustment and quick focusing adjustment
- iris diaphragm, pivoting filter holder, height adjustment, glass filters in blue, yellow and green
- with external mains adapter 100 – 240 V
- dust cover



①

Article	Order No.
① MBL2000 transmitted light microscope	65 61 10107
MBL2000-LED transmitted light microscope with LED	10 61 10108
MBL2000-T trinocular	10 61 10109
MBL2000-T-LED trinocular with LED	10 61 10110

Incident light microscope MBL3300, metallurgical with phototube

Particularly suitable for metal structure and surface analysis, for quality assessment, raw material analysis and for expertise after heat treatment.

Technical data:

- 45° angled view, 360° rotatable with phototube
- 10× plane eyepieces incl. eyecups, focal length 25 mm, field number: 18
- symmetrical eye distance adjustment 51–75 mm
- diopter adjustment on both sides with scale
- 3-fold revolving nosepiece
- lenses: planachromatic 5×/NA 0.13 and 10×/NA 0.25 and 50×/NA 0.6
- double lens Abbe condenser, NA 1.25, with centring and height adjustment
- cross table: XY-stage, movement range 120x80 mm
- illumination: 6 V 30 W, adjustable
- iris diaphragm, filter holder, blue filter, green filter (optional)
- mains voltage: 90 – 240 V, removable mains cable
- dust cover



②

Article	Order No.
② MBL3300 metallurgical microscope	10 61 13300

Transmitted light inverted microscope MBL3200 with phototube

Suitable for the identification and analysis of biological substances and cultures as well as for micromanipulation due to a large distance between preparation and condenser. The lenses have a large working distance, e.g. to allow samples to be seen through the base of Petri dishes and cell culture dishes.

Technical data:

- angled view with phototube
- 10× plane eyepieces, field number: 22
- symmetrical eye distance adjustment 51–75 mm
- diopter adjustment with scale
- 4-fold revolving nosepiece
- lenses: planachromatic 4×/NA 0.10 and 10×/NA 0.25 and 40×/NA 0.65 and PH20×/NA 0.40
- double lens condenser
- cross table: XY-stage, movement range 118x80 mm
- illumination: 6 V 30 W, adjustable
- iris diaphragm, filter holder, blue filter, green filter
- mains voltage: 90 – 240 V, removable mains cable
- dust cover



③

Article	Order No.
③ MBL3200 transmitted light inverted microscope	10 61 13200



Transmitted light microscope MML1200 for laboratories, teaching and production
Student microscope, laboratory microscope for medical practices, production and quality control.

- Technical data:
- monocular tube, 45° angled view, 360° rotatable
- 10× wide-field plane eyepieces
- 3-fold revolving nosepiece
- lenses: 4×/NA 0.10, 10×/NA 0.25, 40×/NA 0.65
- object plate with preparation clamps
- double lens Abbe condenser NA 1.25, with iris diaphragm and filter holder
- illumination: 12 V 10 W halogen with reflector
- with external mains adapter 100 – 240 V
- dust cover

Article	Order No.
④ MML1200 transmitted light microscope	65 61 11200
MML 1002 15x micrometre eyepieces	10 61 11201
MML 1003 stage micrometre	10 61 11202

Stereomicroscopes MSL4000-10/30-IL-TL for hobby and education

This microscope allows you to decide freely where you want to work, since the rechargeable battery means it can be used anywhere. A wide range of accessories available.

Technical data:

- 45° angled view
- 10× wide field eyepieces incl. eyecups
- symmetrical eye distance adjustment
- diopter adjustment
- 2-fold revolving nosepiece 1× and 3×, optional 2× and 4×
- magnification 10× and 30×, optional 20× and 40×
- incident and transmitted light: Halogen bulb or LED
- contrast plate glass and black/white, interchangeable
- with external mains adapter 100 – 240 V, rechargeable battery
- dust cover

Article	Order No.
⑤ MSL4000-10/30- IL-TL incident and transmitted light microscope	10 61 14130
MSL4332 20× wide field eyepieces	10 61 14132

Stereomicroscopes MSZ5000-IL-TL for professional applications

A high performance stereomicroscope with a large zoom range, perfectly suited for laboratory investigations, quality control or assembly work due to its large working distance and high depth of focus. Various eyepieces and auxiliary lenses for adjusting magnification and working distance are available as accessories.

Technical data:

- 45° angled view, 360° rotatable (with phototube: MSZ5000-T-IL-TL and MSZ5000-T-IL-T-LED)
- 10× wide field eyepieces incl. eyecups, field number: 20
- symmetrical eye distance adjustment 51 – 75 mm
- diopter adjustment on both sides
- infinitely variable zoom with 7 – 45× magnification, expandable to 14-90×
- high depth of focus
- infinitely variable incident and transmitted light: halogen bulb or LED
- object field 28.6 – 4.44 mm
- working distance: approx. 90 mm
- contrast plate glass and black/white, interchangeable
- mains adaptor: 230 V, optionally available with 115 V, removable mains cable
- dust cover

Article	Order No.
⑥ MSZ5000-IL-TL-LED incident and transmitted light microscope	10 61 15000
MSZ5000-T-IL-TL incident and transmitted light microscope with phototube	10 61 15003
MSZ5000-T-IL-TL-LED incident and transmitted light microscope with phototube and LED	10 61 15004
MSZ5420-N 20× wide field eyepieces	10 61 15005
MSZ5418-N auxiliary lens 2×	10 61 15006
MSZ5405-N auxiliary lens 0.5×	10 61 15007



④



⑤



⑥

