Fluorescence microscope KERN OBN-14

OBN 147

Illumination unit

Quintuple filter disc OBN 148

PROFESSIONAL LINE

The fluorescing model for the flexible and professional user

Features

- The KERN OBN-14 is based on the basic KERN OBN-13 model.
- It is an excellent and stable laboratory microscope for all common routine applications in light and fluorescence microscopy, providing impressive images.
- These trinocular microscopes are equipped with wide field eyepieces with a large field of view, diopter adjustment on both sides and infinity corrected plan achromatic objectives as standard.
- Either blue / green or blue / green / UV / V fluorescence filters, and a centering objective for the fluorescence illumination are included with the microscope, depending on the model.
- The professional Koehler illumination is easily adjustable. It includes an adjustable field diaphragm, and a centerable and height adjustable Abbe condenser with adjustable aperture diaphragm. This provides impressive images in either bright or dark field applications.
- A nosepiece for up to 5 objectives and a large stage are also provided as standard.
- The following optional accessories are available: A variety of eyepieces, objectives, a complete polarisation kit, a swing-out condenser, a phase contrast set, and more.
- One of the central features of this highly variable and simultaneously robust series of fluorescence microscopes is the stable and precisely adjustable mechanism. This is underlined by the functional and ergonomic design.

Technical data

- Eyepieces: WF 10x20 mm
- Objectives: 4x / 10x / 20x / 40x / 100x
- Overall dimensions WxDxH 306x200x460 mm
- Net weight approx. 17 kg

Please find detailed information in the following charts.

STANDARD

360° | TRINO | ABBE | HAL | FL-HBO | INFINITY | 230 V | 1 DAY | 3 YEARS WARRANTY

OPTION

BINO | PH | POLAR | SCALE

Model KERN	Standard configuration			
	Optical system	Tube	Illumination	
OBN 147	Infinity	Trinocular	Halogen + 100W Epi Fluorescence (B / G)	
OBN 148	Infinity	Trinocular	Halogen + 100W Epi Fluorescence (B / G / UV / V)	

Fluorescence microscope KERN OBN-14

Model outfit		Model KERN		Order number
		OBN 147	OBN 148	
Eyepieces	WF 10x / Ø 20 mm	●●	●●	OBB-A1351
	WF 16x / Ø 13 mm	○○	○○	OBB-A1354
	WF 10x / Ø 18 mm (reticule 0,1 mm) (adjustable)	○	○	OBB-A1350
	WF 10x / Ø 20 mm (reticule 0,1 mm) (adjustable)	○	○	OBB-A1352
Infinity Plan achromatic objectives	4x / 0,10	●	●	OBB-A1263
	10x / 0,25	●	●	OBB-A1243
	20x / 0,40	●	●	OBB-A1250
	40x / 0,66 (spring)	●	●	OBB-A1257
	100x / 1,25 (oil) (spring)	●	●	OBB-A1240
	2,5x / 0,07	○	○	OBB-A1247
	60x / 0,80 (spring)	○	○	OBB-A1270
Binocular tube	· Siedentopf, 30° inclined, 360° rotatable · Interpupillary distance: 50 – 75 mm · With diopter adjustment (both-sided)	○	○	OBB-A1125
Trinocular tube	· Siedentopf, 30° inclined, 360° rotatable · Interpupillary distance: 50 – 75 mm · Light distribution: 100:0 · With diopter adjustment (both-sided)	●	●	OBB-A1344
Nosepiece	Quintuple	●	●	
Mechanical stage	· Stage size: WxD 175x145 mm, Travel: 78x55 mm · Coaxial coarse and fine focusing knobs · Two slide holder	●	●	
Condenser	Abbe N.A. 1,25 center-adjustable (aperture diaphragm)	●	●	OBB-A1102
	Swing-out condenser N.A. 0,9 / 0,13 center-adjustable (aperture diaphragm)	○	○	OBB-A1104
Koehler illumination	6V / 20W Halogen spare bulb (transmitting)	●	●	OBB-A1370
Polarising unit	Analyser / Polariser	○	○	OBB-A1283
Phase contrast unit	Quintuple hole turret with 10x / 20x / 40x / 100x Infinity-PH-Plan objectives (complete set)	○	○	OBB-A1237
	Independent slot with ∞ PH-Plan objective 10x	○	○	OBB-A1214
	Independent slot with ∞ PH-Plan objective 20x	○	○	OBB-A1216
	Independent slot with ∞ PH-Plan objective 40x	○	○	OBB-A1218
	Independent slot with ∞ PH-Plan objective 100x	○	○	OBB-A1212
Darkfield unit	N.A. 0,9 (Dry) Usable for 4x – 40x objectives	○	○	OBB-A1150
C-Mount	1x	○	○	OBB-A1140
	0,57x (focus adjustable)	○	○	OBB-A1136
Fluorescence unit	100W HBO Epi Fluorescence unit 6-filter disc (UV / V / B / G) including centering objective		●	OBB-A1155
	100W HBO Epi Fluorescence unit, two-hole slide (B / G) including centering objective	●		OBB-A1153
Field diaphragm	Field diaphragm	●	●	
Filter	Blue	●	●	OBB-A1170
	Green	○	○	OBB-A1187
	Yellow	○	○	OBB-A1201

● = Standard configuration

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Use the above details to contact us if this literature doesn't answer all your questions.

Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.