

SPECIFICATIONS & MORE

HumaScope Advanced^{LED}

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Item	REF	14600 HumaScope Advanced ^{LED}
		14601 HumaScope Advanced ^{LED} Trinocular
		Pack content:
		14600 HumaScope Advanced ^{LED}
		14000/13 Trinocular head

Human

Diagnostics Worldwide

HumaScope Advanced^{LED}

Binocular laboratory microscope

Optical System	Quality	Plan-achromatic optical system, anti fungal treated
	Tubus Length	160 mm
Head	Type	Binocular compensation free
	Eyepiece	10x 18 mm view field , left side diopter adjustment -5...+5, Ø 23.2 mm
	Field Number	18 mm
	Tube inclination	30°
	Rotation	360°
	Interpupillary distance adjust. range	53-75 mm
Focusing / Nose Piece	Focusing	Rack and pinion adjustment, height adjustable Full stroke range 16 mm, Focusing stroke per rotation 0.4 mm, Stroke gradation 2 µm Tension adjustable knob and up-stop knob Coaxial coarse/fine focus gear transmission
	Focal distance	45 mm
	Revolving nose piece	5 position reverse
	Objective (Magnification/N.A./ Working distance/ Coverslips)	4 x / 0.1 / 17.9 mm / - 10 x / 0.25 / 8.8 mm / - 40 x / 0.65 / 0.56 mm / 0.17, springloaded 100 x / 1.25 (oil) / 0.33 mm / 0.17, springloaded
Stage	Size (W X D)	125(W) X 135(D)mm
	Movement range	75mm X-direction X 50mm Y-direction
	Specimen holder	Double slide holder
Condenser	Type	Abbe condenser, with filter holder, daylight (blue) filter, frosted filter
	N.A.	1.25 with oil immersion
	Aperture iris diaphragm	Built-in
Illumination	Light source	LED lamp 3.6 V 0.3 W
	Intensity	Adjustable
	Lamp life time	up to 100.000 hours
	Köhler illumination	Yes
General	Physical dimensions (W X H X D)	285 X 470 X 250 mm,
	Weight	Approximately 6.55 kg
	Electrical requirements	External power supply 110...230 VAC, 50/60 Hz or rechargeable batteries 3 x 1.2 V 1800 mAh, running time 30 hours
	Enviromental	Operating temperature: +15 ... 35°C, Humidity : 20 ...85 % relative non condensing

Standard Accessories

	Quantity	REF
User Manual	1	14600/1
Filter Blue	1	14000/72
Immersion Oil (1 Bottle)	1	14000/75
Dust Cover Human	1	-----

Accessories

	REF
Monocular Head	14000/10
Trinocular Head	14000/13
Green Filter	14000/74
Yellow Filter	14000/81
C-mount Adapter 0.4x for Trinocular Head	14000/54
C-mount Adapter 0.5x for Trinocular	14000/80
C-mount Adapter 1x for Trinocular Head	14000/55
C-mount Adapter adjustable 0.4x for Trinocular Head	14000/541
C-mount Adapter adjustable 0.5x for Trinocular	14000/801
C-mount Adapter adjustable 1x for Trinocular Head	14000/551
Dark Field Condensor Dry	14000/52
Dark Field Condensor Oil	14000/53
Digital Camera (USB 2) 5 MP*	14000/866
Digital Camera (USB 3) 5 MP*	14000/867
Digital Camera (USB 2) 10 MP*	14000/877
Digital Camera (USB 3) 10 MP*	14000/878
Digital Camera (HDMI) */**	14000/210
Eyepiece 10x10 mm μ m (100 Division 18 mm View Field)	14000/21
Eyepiece 10x 18 mm View Field	14000/17
Eyepiece 16x 11 mm View Field	14000/19
Eyepiece 20x 11 mm View Field	14000/20
Eyepiece Pointer (need to be ordered with the Microscope)	14000/79
Eyepiece adapter 0.5x	14000/205
Mirror Set	14000/71
Objective Achromatic 60x	14000/26
Objective Plan 20x	14000/41
Objective Plan 60x	14000/43
Objective Semi Plan 20x	14000/36
Photography Attachment for Trinocular Head	14000/56
Transport Plastic Box	14000/83
Rubber Eyeguard (Set of 2)	14000/82
Simple Achromatic Phase Contrast Kit	14000/59
Simple Polarisation Kit	14000/57
Stage Micrometer 1 mm / 100 Division	14000/68

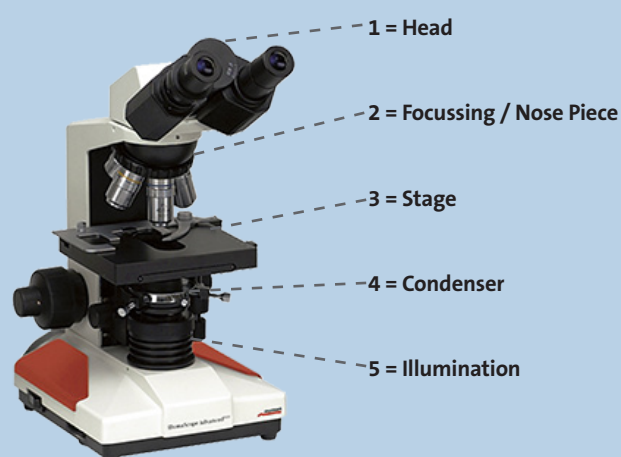
Accessories

	REF
Turret Achromatic Phase Contrast Kit	14000/60
Turret Plan Phase Contrast Kit	14000/61

Consumables

Oil (3 ml Cedarwood oil)	14000/75
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Components



Simple Achr. Phase Contrast Kit
Cat.No. 14000/59



Turret Achrom. Phase Contrast Kit
Cat.No. 14000/60



Digital Camera (USB)



Simple Polarisations Kit
Cat.No. 14000/57

* For operation with trinocular a C-mount adapter is necessary.

** The camera has a software embedded, could be directly connected with your display and controlled by USB mouse. The pictures could be saved to the SD storage device.

