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Фазово-контрастные микроскопы A19

A19 Phase Contrast



Phase Contrast Microscope is a compound microscope that utilizes a special phase contrast objective lens and a phase contrast slider or phase contrast condenser to bring out contrast in a sample without having to stain the sample. By attaching phase contrast attachment, we can upgrade a compound laboratory level biological microscope to phase contrast microscopes, which can be used to look at bacteria or blood cells, or any transparent specimen.



A19.2702-T

Phase Contrast Microscope, Infinity Plan, Turret Disc Condenser, Trinocular

- UCIS Infinity Plan Achromatic Phase Contrast Optical System
- WF10X/22mm High Eye-Point Eyepiece, Centering Telescope For PH
- Infinity Plan Phase Contrast Objective 10x20x40x100x
-



A19.2702-B

Phase Contrast Microscope, Infinity Plan, Turret Disc Condenser, Binocular

- UCIS Infinity Plan Achromatic Phase Contrast Optical System
- WF10X/22mm High Eye-Point Eyepiece, Centering Telescope For PH
- Infinity Plan Phase Contrast Objective 10x20x40x100x
-



A19.0911

Phase Contrast Microscope

- Infinity Chromatic Aberration Correction System, Bright Field & Phase Contrast
- Infinity Plan Phase Contrast Objective 10x20x40x100x & Centering Telescope 10x
- Turret Phase Contrast Condenser, For 10x20x40x100x Phase Contrast
-



A19.0205

OPTO-EDU A19.0205 100x-400x Trinocular Inverted Phase Contrast Microscope

A19.0205 Inverted Phase Contrast Microscope	
System	Total Magnification 100
	Infinity Optical System
	Mechanical Tube Length : ∞
	Conjugate Distance: ∞
Head	Trinocular Head, 45° Inclined, 360° Rotatable, Interpupillary Distance 55~75mm
Eyepiece	WF10x/22mm Wide Field, Eyepiece Tube Dia. 30mm, Parfocal Distance 10mm
	Centering Telescope Eyepiece 10x
Nosepiece	Quintuple
Objective	LWD Infinity Plan Bright Field Objective 4x/0.15, W.D. 25.9mm
	LWD Infinity Plan Phase Contrast Objective PLL10x/0.25 PHP2, W.D.4.3mm
	PLL20x/0.40 PHP2, W.D.8.0mm
	PLL40x/0.60 PHP2, W.D.3.5mm
Focus	Coaxial Coarse & Fine Focus Knob, With Tension Adjustable And Limit Stopper,

System	Minimum Division 0.002mm, Focusing Range 11mm
Stage	Mechanical Stage, Size 134.5*77mm, Detachable Stage Moving Device
	Culture Dish Holder 1, 86mm (W)*129.5 (L), For Circular Culture Dish Dia.87.5mm
	Culture Dish Holder 2, 34mm (W)*77.5 (L), For Circular Culture Dish Dia.68.5mm
Condenser	Long Working Distance Condenser, W.D. 70mm, With Phase Contrast Slide Slot
Filter	Blue, Frosted Glass
Phase Contrast	Phase Contrast Slide, For 10x,20x,40x Objectives, Center Adjustable
Light source	High Light 3W LED, Brightness Adjustable



A19.1008-40

Phase Contrast Microscope

- Phase Contrast Version Classical 107BN Biological Microscope
- Phase Contrast Objective 40x, Phase Contrast Condenser For 40x
- Centering Telescope 10x, Green Filter Included. PH 40x, 100x Optional
-



A19.0214

Phase Contrast Microscope, Achromatic Turret Phase Contrast

- Sedentopf Trinocular Head 30° Inclined 360° Rotatable
- Achromatic Phase Contrast Objective 10x20x40x100x
- Turret Disc Phase Contrast Condenser, Centering Telescope
-



A19.0209-40

Phase Contrast Microscope, Achromatic Phase Contrast 40x

- Sliding Binocular Head 30° Inclined, 360° Rotatable
- Achromatic 4x,10x,100x, Achromatic Phase Contrast 40x Objective
- Double Layer Mechanical Stage, 140*140mm, Moving Range 50*75mm
-



A19.0907

Phase Contrast Microscope

A19.0907 Phase Contrast Microscope

A19.0907 Phase Contrast Microscope	
Head	Binocular, 30° Inclined, Interpupillary Distance 54-75mm
Eyepiece	PL10x/18mm, Wide Field, High Eye Point, Diopter Adjustable +/-5 Degree
Phase Contrast Set	Infinity Plan Phase Contrast Objective 10X/0.25
	Infinity Plan Phase Contrast Objective 20X/0.50
	Infinity Plan Phase Contrast Objective 40X/0.65
	Infinity Plan Phase Contrast Objective 100X/1.25
	Centering telescope
	Phase Contrast Slide, for 10x, 40x Infinity Objective
	Phase Contrast Slide, for 20x,100x Infinity Objective
Nosepiece	Backward Quadruple
Focusing	Low Position Coaxial Coarse & Fine Focusing Knob, with Safty Limitation and Tension Adjustment Ring. Coarse Range 25mm, Fine Precision 0.002mm
Working Stage	Double Layer Mechanical Stage 140*132mm, Moving Range 76*50mm, Precision 0.1mm
Condenser	Kohler NA 1.25, with Socket for Phase Contrast and Dark Field Slides, Center Fixed
Light Source	3W LED, Intensity Adjustable, Center Fixed
Power	90~240V Wide Range Power Supply



A19.0906

Phase Contrast Microscope

A19.0906 Phase Contrast Microscope	
Head	Binocular, 30° Inclined, 360° Rotatable, Interpupillary Range 54~75mm
Eyepiece	PL10x/18mm, Wide Field, High Eyepoint
Phase Contrast Set	Plan Phase Contrast Objective 10X/0.25
	Plan Phase Contrast Objective 20X/0.50
	Plan Phase Contrast Objective 40X/0.65
	Plan Phase Contrast Objective 100X/1.25
	Centering Telescope Eyepiece, Dia. 23.2mm
	Phase Contrast Slide, for 10x, 40x Objective
	Phase Contrast Slide, for 20x,100x Objective
Nosepiece	Reversed Quadruple
Focusing	Coaxial Coarse & Fine Focusing, Low Position Design, Coarse Focusing Range 28mm, Fine Focusing Precision 0.002mm, With Tension Adjustment and Up Limit
Working Stage	Double Layer Mechanical Stage, 150*140mm, Moving Range 76*50mm, Precision 0.1mm, Double Slide Holer, Low Position Coaxial Regulating Handles
Condenser	Abbe NA1.25 Condenser, With Iris Diaphragm, With Filter Holder
Filter	Blue, Dia. 45mm
Light Source	Critical Illumination, 6V20W Halogen Lamp, Center Pre-adjusted
Power	90~240V Wide Range Power Supply



A19.0209

Phase Contrast Microscope

A19.0209 Phase Contrast Microscope	
Head	Compensation binocular head inclination 30°;
Eyepiece	WF10X(Φ18mm)
Nosepiece	Backward Quadruple Nosepiece, Ball Bearing Inner Locating
Phase Contrast Set	Phase contrast Achromatic Objective: 10x/0.25 PHP

	20x/0.40 PHP(Spring) 40x/0.65 PHP(Spring) 100x/1.25 PHP (Spring,oil)
	Centering telescope
	Turnplate phase contrast condenser
Working Stage	Double layer mechanical, size 135x125mm, moving range 75x35mm
Focusing	Coaxial coarse/fine focus system, Minimum division of fine focusing: 2um , With tensional adjustable and up stop, Base bearing black plastic cap
Condenser	Abbe N.A.1.25 Rack & pinion adjustment
Filter	Blue,Green,Yellow Filter
Light Source	Kholer Illumination 6V 20W halogen lamp with brightness control
Collector	For halogen lamp



A19.0204

Inverted DIC Phase Contrast Microscope

A19.0204 Inverted Modulation Contrast Microscope, DIC		
Magnification	Total 100~400x	
System	Infinity Optical System	
	Mechanical Tube Length : ∞	
	Conjugate Distance: ∞	
Head	Trinocular Head, 45° Inclined, Interpupillary Distance 53~75mm	
Eyepiece	WF10x/22mm Wide Field, Eyepiece Tube Dia. 30mm, Parfocal Distance 10mm	
	Centering Telescope Eyepiece 10x	
Nosepiece	Quintuple	
Objective	LWD Infinity Plan Bright Field Objective 10x/0.25, W.D. 4.3mm, Cover Glass Thickness 1.2mm	
	<table border="0"> <tr> <td> DIC Contrast Objective 10x/0.25, W.D.20.2, No Cover Glass 20x/0.35, W.D.6.0, Cover Glass Thickness 0mm 20x/0.40, W.D.8.0, Cover Glass Thickness 1.2mm 40x/0.60, W.D.3.5 , Cover Glass Thickness 1.2mm </td> <td>For DIC Contrast View, To Check No Cover Glass or Thin Cover Glass Slide, Culture Dish Object Transmit Observation</td> </tr> </table>	DIC Contrast Objective 10x/0.25, W.D.20.2, No Cover Glass 20x/0.35, W.D.6.0, Cover Glass Thickness 0mm 20x/0.40, W.D.8.0, Cover Glass Thickness 1.2mm 40x/0.60, W.D.3.5 , Cover Glass Thickness 1.2mm
DIC Contrast Objective 10x/0.25, W.D.20.2, No Cover Glass 20x/0.35, W.D.6.0, Cover Glass Thickness 0mm 20x/0.40, W.D.8.0, Cover Glass Thickness 1.2mm 40x/0.60, W.D.3.5 , Cover Glass Thickness 1.2mm	For DIC Contrast View, To Check No Cover Glass or Thin Cover Glass Slide, Culture Dish Object Transmit Observation	
Working Stage	Mechanical Stage 227*208mm, Glass Round Stage Dia. 118mm, Moving Range 77*134.5mm, Moving Stage Detachable	
	Culture Dish Holder 1, 86mm (W)*129.5 (L), For Circular Culture Dish Dia.87.5mm	
	Culture Dish Holder 2, 34mm (W)*77.5 (L), For Circular Culture Dish Dia.68.5mm	
	Culture Dish Holder 3, 57mm (W)*82mm (L)	
Focusing	Coaxial Coarse & Fine Focus Knob, With Tension Adjustable And Limit Stopper, Minimum Division 0.002mm	

Condenser	Long Working Distance 55mm, N.A. 0.3.For DIC Contrast View	
Light Source	High Light 5W LED White, Input 3.9~3.0V , Brightness Adjustable	
Optional Accessories		
Adapter	CCD Adapter 0.5x	A55.0202-04
	Digital SLR Camera Adapter for Canon EF Series	A55.0204-02



A19.0203

Inverted Modulation Contrast Microscope

A19.0203 Inverted Modulation Contrast Microscope		
Magnification	Total 100~400x	
System	Infinity Optical System	
	Mechanical Tube Length : ∞	
	Conjugate Distance: ∞	
Head	Trinocular Head, 45° Inclined, Interpupillary Distance 53~75mm	
Eyepiece	WF10x/22mm Wide Field, Eyepiece Tube Dia. 30mm, Parfocal Distance 10mm	
	Centering Telescope Eyepiece 10x	
Nosepiece	Quintuple	
Objective	LWD Infinity Plan Bright Field Objective 10x/0.25, W.D. 4.3mm, Cover Glass Thickness 1.2mm	
	Modulation Contrast Objective 10x/0.25, W.D.4.3, Cover Glass Thickness 1.2mm 20x/0.40, W.D.8.0, Cover Glass Thickness 1.2mm 40x/0.60, W.D.3.5 , Cover Glass Thickness 1.2mm	For Modulation Contrast View. The Modulator Of Objective Should Be Adapted With Slot In The Condenser
Working Stage	Mechanical Stage 227*208mm, Glass Round Stage Dia. 118mm, Moving Range 77*134.5mm, Moving Stage Detachable	
	Culture Dish Holder 1, 86mm (W)*129.5 (L), For Circular Culture Dish Dia.87.5mm	
	Culture Dish Holder 2, 34mm (W)*77.5 (L), For Circular Culture Dish Dia.68.5mm	
	Culture Dish Holder 3, 57mm (W)*82mm (L)	
Focusing	Coaxial Coarse & Fine Focus Knob, With Tension Adjustable And Limit Stopper, Minimum Division 0.002mm	
Condenser	Long Working Distance 55mm, For Turnable Type Modulation Contrast View	
Light Source	Kohler Illumination, 6V30W Halogen Lamp, Brightness Adjustable	



A19.2703

Inverted Phase Contrast Microscope

A19.2703 Inverted Phase Contrast Microscope	
Optical System	UCIS Infinity independent achromatic optical system
Magnification	40x-1000x
Head	Seidentopf trinocular head 45° inclined, interpupillary distance 52-75mm
Eyepiece	WF10X/20mm, high eye-point up to 21mm, ±5 Diopter adjustment
Objective	Infinity Achromatic objective 4x
	Infinity Achromatic phase-contrast objective 10x
	Infinity Achromatic phase-contrast objective 40x(S)
	Infinity Achromatic phase-contrast objective 100(S/Oil)
Focus System	Coaxial coarse and fine focus mechanism with markings. Fine focus sensitivity 0.001mm
Nosepiece	Quintuple nosepiece inward facing with positive click stops
Condenser	NA 0.30 Abbe condenser with iris diaphragm, with phase-contrast slide, long work distance 72mm
Stage	Right hand controls, brightness adjustable, low position, mechanical stage, 240mm x 260mm, movement range 135mm x 85mm
Adapter	0.5x C-mount
Light source	6V 30 W halogen illumination



A19.2701

Phase Contrast Microscope

A19.2701 Phase Contrast Microscope	B	
Optical System	UCIS Infinity independent achromatic optical system	
Head	Seidentopf binocular head 30° inclined, 360° rotatable interpupillary distance 52-75mm	
	Seidentopf trinocular head 30° inclined, 360° rotatable interpupillary distance 52-75mm	
Eyepiece	WF10X/18mm, high eye-point	
Objective	Infinity Achromatic objective 4x	
	Infinity Achromatic phase-contrast objective 10x	
	Infinity Achromatic phase-contrast objective 40x(S)	
	Infinity Achromatic phase-contrast objective 100(S/Oil)	
Focus System	Coaxial coarse and fine focus mechanism with markings. Fine focus sensitivity 0.001mm	
Nosepiece	Quadruple nosepiece inward facing with positive click stops	
Condenser	NA 1.25 Abbe condenser with iris diaphragm, with phase-contrast slide	
Stage	Mechanical stage with double layers, 142mmx135mm, movement range 76mmx 52mm	
Phase Condenser Attachment	PH slide 10x, 40x, 100x	
Light source	6V 20W halogen illumination, brightness adjustable	
	3W LED, brightness adjustable	



A19.2602

Inverted Phase Contrast Microscope

A19.2602 Inverted Phase Contrast Microscope Specification

Head	Seidentopf Trinocular Head, 45° Inclined, Interpupillary Distance 50-75mm, Light Distribution (binocular tube:photo tube): Both 100:0 and 20:80
Eyepiece	WF10x/20mm
	WF16x/16mm
	10x Reticle Eyepiece (0.1mm)
	Telescope
Long Working Distance Objective	Plan Objective LPL4x/0.10 WD=17.5mm
	Plan Objective LPL25x/0.40 WD=5.0mm
	Plan Objective LPL40x/0.65 WD=3.0mm
	Plan Phase Contrast Objective LPL Ph+ 10x/0.25 WD=7.9mm
	Plan Phase Contrast Objective LPL Ph+ 25x/0.40 WD=5.0mm
	Plan Phase Contrast Objective LPL Ph+ 40x/0.65 WD=3.0mm
Focus System	Low positioned, coaxial coarse & fine focusing system, coarse 42mm/rot, fine 0.2mm/rot, minimum reading 2µm
Nosepiece	Quadruple
Stage	Mechanical Stage 206(X) x 170(Y)mm, with attached mechanical stage moving range 128(X) x 80(Y)mm
Culture Dish Holder	65mm
	35mm
Condenser	Turnable Relief Phase Contrast Condenser N.A.0.35 W.D. =45mm
Phase Contrast	Phase Contrast Slider 10x
	Phase Contrast Slider 25x
	Phase Contrast Slider 40x
Filter	Blue, Green & Gray
Light Source	Transmitting light, Kohler Illumination System: 12V/20W Halogen
Adapter	C-Mount Adapter 1x
Power Supply	85-265V, 50/60Hz



A19.2601

Phase Contrast Microscope

A19.2601 Inverted Phase Contrast Microscope Specification

Head	Seidentopf Trinocular Head, 45° Inclined, Interpupillary Distance 50-75mm, Light Distribution (binocular tube:photo tube): Both 100:0 and 20:80
Eyepiece	WF10x/20mm
	WF16x/13mm
	10x Reticle Eyepiece (0.1mm)
Long Working Distance Objective	Plan Objective LPL4x/0.10 WD=17.5mm
	Plan Objective LPL25x/0.40 WD=5.0mm
	Plan Objective LPL40x/0.65 WD=3.0mm
	Plan Phase Contrast Objective LPL Ph+ 10x/0.25 WD=7.9mm
	Plan Phase Contrast Objective LPL Ph+ 25x/0.40 WD=5.0mm
	Plan Phase Contrast Objective LPL Ph+ 40x/0.65 WD=3.0mm
Focus System	Low positioned, coaxial coarse & fine focusing system, coarse 42mm/rot, fine 0.2mm/rot, minimum reading 2µm
Nosepiece	Quadruple
Stage	Mechanical Stage 206(X) x 170(Y)mm, with attached mechanical stage moving range 71(X) x 77(Y)mm, including cultural vessel, minimum reading 0.1mm
Condenser	N.A. 0.35, working distance 45/102mm, diaphragm center adjustable
Phase Contrast	Phase Contrast Annular Plate 10x
	Phase Contrast Annular Plate 25x
	Phase Contrast Annular Plate 40x
Adapter	C-Mount Adapter 1x
Filter	Blue & Green
Light Source	Transmitting light, 6V 20W halogen lamp
Power Supply	85-265V, 50/60Hz
Packing	Carton, size 59x59x38cm, G/N weight 15/11Kgs

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