

OPTIKA

M I C R O S C O P E S
I T A L Y

Laboratory polarizing microscopes

POL

B-353POL / B-600POL / B-600POL-I

POL Series

Laboratory polarizing microscopes



POL

POL Series

Polarized light microscopy provides all the benefits of brightfield microscopy and yet offers a wealth of information, which is simply not available with any other optical microscopy technique, such as refractive indices, birefringence, retardation, extinction angle, pleochroism.

Polarized light microscopy is best known for its geological applications – primarily for the study of minerals in rock thin sections, but it can also be used to study many other materials.

OPTIKA polarizing microscopes offer a complete system for your laboratory analysis, including polarizer and analyzer filters, Bertrand lens for conoscopic observation, compensator plates, and high-precision rotatable stages.

Also available the X-LED illumination system, an high-intensity light source which delivers bright and clear images.

The extraordinary characteristics of this series are now accessible to all laboratories, meeting the needs of those who are looking for a prime quality instrument.



B-353POL



B-353POL - Technical specifications

Part	Description
Head	Trinocular, 30° inclined, 360° rotating.
Eyepiece	WF10X/20mm and with cross hair and micrometer
Bertrand lens	Swing-out type; centrable.
Polarizing attachment	0°-90° rotating analysing filter. Tint plates included: 1° order red (λ), $\lambda/4$, quartz wedge.
Nosepiece	5-positions with centering mechanism for all objectives.
Objectives	Achromatic POL (strain-free): 4x/0.10, 10x/0.25, 25x/0.40, 40x/0.65, 63x/0.85.
Magnifications	40x, 100x, 250x, 400x, 630x.
Focusing system	Coaxial coarse and fine.
Stage	160mm dia.; 360° rotating with stop knob and 0.1° vernier.
Condenser	1.25 N.A., with iris diaphragm, focusable and centrable. With rotating polarising filter.
Illumination	X-LED™ illumination system with brightness control.

POL Series - Technical specifications

B-600POL - Technical specifications

Part	Description
Head	Trinocular, 30° inclined, 360° rotating.
Eyepiece	WF10X/22mm
Bertrand lens	Swing-out type; centrable (for Conoscopy/Orthoscopy)
Polarizing attachment	Blue filter, 0°-90° rotating analysing filter, I slip (first class red), 1/4 I slip, quartz wedge
Nosepiece	4-positions with centering mechanism for all objectives
Objectives	PLAN IOS POL (strain-free) 4x/0.10, 10x/0.25, 40x/0.65, 60x/0.85
Magnifications	40x, 100x, 400x, 600x
Focusing system	Coaxial coarse and fine
Stage	160mm diameter; 360° rotating with stop knob and 0.1° vernier
Condenser	0,9 N.A., with iris diaphragm, focusable and centrable. With rotating polarizing filter (swing-out type)
Illumination	External high efficiency halogen 50W dichroic bulb or X-LED ⁸ ™ system for transmitted light

B-600POL-I - Technical specifications

Part	Description
Head	Trinocular, 30° inclined, 360° rotating
Eyepiece	WF10X/22mm
Bertrand lens	Swing-out type; centrable (for Conoscopy/Orthoscopy)
Polarizing attachment	Blue filter, 0°-90° rotating analysing filter, I slip (first class red), 1/4 I slip, quartz wedge
Nosepiece	4-positions with centering mechanism for all objectives
Objectives	LWD PLAN IOS POL (strain-free) for transmitted and incident polarized light 5x/0.15, 10x/0.25, 20x/0.40, 50x/0.70
Magnifications	50x, 100x, 200x, 500x
Focusing system	Coaxial coarse and fine
Stage	160mm diameter; 360° rotating with stop knob and 0.1° vernier
Condenser	0,9 N.A., with iris diaphragm, focusable and centrable. With rotating polarizing filter (swing-out type)
Illumination	Transmitted light: external high efficiency halogen 50W dichroic bulb or X-LED ⁸ ™ system. Incident light: polarizing attachment with built-in polarizer filter, aperture diaphragm and field diaphragm; external high efficiency halogen 50W dichroic bulb or X-LED ⁸ ™ system

POL Series - Accessories

ACCESSORIES FOR B-353POL

M-301	Eyepiece high-point WF10x/20mm
M-302	Eyepiece high-point WF16x/12mm
M-303	Eyepiece micrometer high-point WF10x/20mm
M-005	Micrometric slide, 26x76 mm, range 1 mm, div. 0,01 mm
M-390	Objective POL achromatic 4x/0.10
M-391	Objective POL achromatic 10x/0.25
M-392	Objective POL achromatic 25x/0.40
M-393	Objective POL achromatic 40x/0.65
M-394	Objective POL achromatic 63x/0.80
M-365	Photo tube adapter for SLR cameras full frame
M-366	CCD camera adapter
M-031	Dust cover type 3
M-974	Blue filter, 32 mm diameter
M-976	Green filter, 32 mm diameter
M-978	Yellow filter, 32 mm diameter
M-988	Frosted glass filter, 32 mm diameter
M-173	APS-C reflex camera adapter



15103 - Lens cleaner, 50ml

It cleans glass quickly and effectively, without leaving residue or odor. Ideal for precision lens or prism cleaning.

ACCESSORIES FOR B-600POL / B-600POL-I

M-680	Ergo binocular head 30° - 60°
M-625	Eyepiece EWF10x/22mm
M-601	Eyepiece WF15x/16mm
M-781	Eyepiece micrometer EWF10x/22mm
M-005	Micrometric slide, 26x76 mm, range 1 mm, div. 0,01 mm
M-691	Objective IOS POL planachromatic 4x/0.10 for B-600POL
M-692	Objective IOS POL planachromatic 10x/0.25 for B-600POL
M-693	Objective IOS POL planachromatic 40x/0.65 for B-600POL
M-694	Objective IOS POL planachromatic 60x/0.80 for B-600POL
M-695	Objective IOS POL LWD planachromatic 5x for B-600POL-I
M-696	Objective IOS POL LWD planachromatic 10x for B-600POL-I
M-697	Objective IOS POL LWD planachromatic 20x for B-600POL-I
M-688	Objective IOS POL LWD planachromatic 50x for B-600POL-I
M-619	Photo tube adapter for SLR cameras full frame
M-699	Photo tube adapter for DIGI digital camera series
M-620	CCD camera adapter for 1/3" sensors
M-620.1	CCD camera adapter for 1/2" sensors
M-622	Halogen bulb 12V/50W
M-034	Dust cover type 5
M-975	Blue filter, 45 mm diameter
M-977	Green filter, 45 mm diameter
M-979	Yellow filter, 45 mm diameter
M-989	Frosted glass filter, 45 mm diameter
M-690	Eyecup (pair)
M-173	APS-C reflex camera adapter



OPTIKA SRL

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