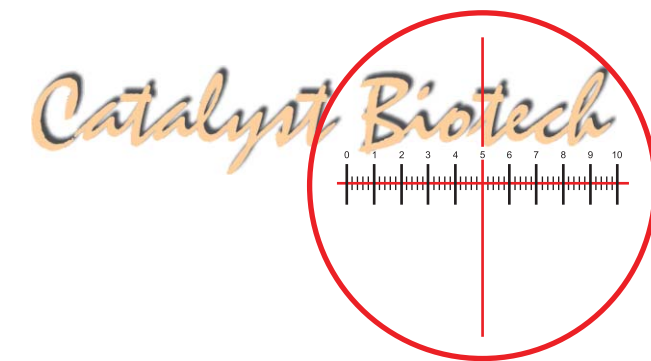


Technical Specifications		CS-P8000	CS-P8000R	CS-P8000TR
Optical System	Infinity Color Corrected Optical System	✓	✓	✓
Head	Seidentopf Trinocular Head, Inclined at 30° and 360° rotatable Interpupillary Distance adjustment range: 48 - 75mm Diopter Adjustment: ±5°	✓	✓	✓
Eyepiece	Extr-wide PL10X/22mm Plan eyepiece with scale of crosshair, Plan eyepiece with cross, Plan eyepiece with gridding	✓	✓	✓
Intermediate Tube	Removable internal Bertrand Lens, Analyzer and Compensator	✓	✓	✓
Analyzer	Pluggable analyzer, 360° rotatable, Minimum Scale reading : 0.1° (vernier scale), with locking device.	✓	✓	✓
Compensator	Gypsum λ (Ø 18mm, optical path difference 551nm), Mica λ/4 (Ø 18mm, optical path difference 147.3nm), Quartz Wedge (Class I - IV)	✓	✓	✓
Nosepiece	Quintuple, Backward tilted, Center adjustable, Click-stop Revolving mechanism with multiple ball bearing	✓	✓	✓
Objectives	Strain-free Infinity Plan objectives Anti-fungal, Parfocal, Parcentric, color-coded	✓	✓	✓
	4X/0.10, WD 17.3mm;	✓	✗	✗
	5X/0.12, WD 15.5mm;	✗	✓	✓
	10X/0.25, WD 10.0mm;	✓	✓	✓
	20X/0.4, WD 5.8mm;	✗	✓	✓
	40X/0.65, WD 0.54mm;	✓	✗	✓
	50X/0.75, WD 0.32mm;	✗	✓	✓
	100X/0.8, WD 2mm;	✗	✓	✓
100X/1.25, WD 0.13mm;	✓	✗	✓	
Stage	Anti-corrosive & Anti-friction Round Revolving metal stage, 360° Rotatable, Stage size Ø170mm, Center Adjustable, Division 1°, Minimum reading 6 by means of vernier scale, 45° Click stop knob	✓	✓	✓
Condenser	N.A. 0.9/0.25 Swing-out type achromatic Condenser with 360° Rotatable Polarizer, four adjustable scale: 0/90/180/270	✓	✗	✓
Filter	Blue Filter Ø 45mm	✓	✗	✓
Focusing	Coaxial focus system with upper limit and tension adjustment Focusing Adjustment by Rack & Pinion Mechanism. Range 32mm, Fine division 0.001mm, Coarse stroke 37.7mm per rotation, Fine stroke 0.1mm per rotation	✓	✓	✓
Transmitted Illumination	Built-in transmitted Koehler Illumination system, pre-centered Halogen Illumination 24V-100W, with iris diaphragm and Adjustable brightness	✓	✗	✓
Reflected Illumination	Built-in transmitted Koehler Illumination system, pre-centered Halogen Illumination 24V-100W, with iris diaphragm and Adjustable brightness	✗	✓	✓
Power supply	100V-240V Universal Power Supply	✓	✓	✓



CS-P8000 Series CatScope



Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer.
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Our Authorised Distributor :



CatScope CS-P8000 series is an upright polarized-light microscope with infinity-corrected, stress-free optics. Episcopic and sub-stage polarizers offer polarization of both light-sources, allowing this microscope to be used for metallurgical, mineralogical, and biological applications. Surface uses special spray powder, protective, decorative, water and solvent resistant. Ergonomic design of the microscope makes the operation easy and comfortable for the user.

Intermediate device for professional conoscopic observation, with internal Bertrand lens and analyzer, 1, 1/4 & quartz wedge attachable.
 » Centerable Bertrand lens with rotating switch, allows easy viewing of conoscopic interference patterns.
 » The pluggable analyzer features a full-range 360° rotatable dial with 1° increment, 6' precision for adjustable cross-polarization.

Reflected illuminator with polarizer and beam splitter, field and aperture diaphragms adjustable.
 » Pluggable polarizer is removable for ordinary observation and easily replaceable.
 » Removable beam splitter is designed for improving the image quality by all transmitted light concentrated in binocular.

Nosepiece & Stage

The quintuple nosepiece with centerable ports can hold five of the seven included Infinity plan-achromatic objective lenses, which can be alternated depending on the application.

Big round metal stage, Ø 170mm, 360° rotatable, with click stop knob. The stage is anti-corrosive and anti-friction. The scale is printed with special material which will not fade or wear-out even after years of use.

The stage can be fitted with mechanical stage (optional) with a moving range of 30mm x 40mm.



Condenser

N.A. 0.9/0.25 Strain-free swing out achromatic condenser with center adjustable provides ample uniform light and clear image for different magnification observations.

Focus Adjustment

Low position focusing knob is ergonomically placed for comfortable operation. Upper limit and tension adjustable functions is helpful to protect damage to slides and objective lens.

Koehler illumination system

The center of the filament is preset in the reflected and transmitted lamp house with 24V/100W halogen bulb which presents a bright and uniform field under every magnification. Illumination system enhances the service efficiency of light. 100-240V wide voltage system with stable output voltage increases the life of the bulb. Electrical system with main switch reduces the power consumption in standby. Telecentric designed Koehler illumination system in conjunction with N.A.0.9/0.25 swing-out achromatic condenser, works absolutely fine with 4x-100x objectives.

