

Polarized Light Microscope for Asbestos Testing

XPL-1600

Description

XPL-1600 transmitted polarized light microscope is configured for asbestos fiber counting and meets the NIOSH 7400 & OSHA ID 160 requirements. It is suitable for Polarized Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples.

Features

Viewing Head

Hinged observation tube,
Trinocular, 30° inclined
18mm wide filed eyepieces



Intermediate Attachment

Impellent style of analyzer
360°rotatable
Bertrand lens center adjustable
Compensator: 550nm λ , $\lambda/4$ and
Quarts Wedge



Objective Lenses

Quadruple nosepiece: frontward
ball bearing inner locating.

Unstressed Plan Achromatic
Objective 10X, 20X, 40X, center
adjustable. This ensure the center
of objective and the rotatable stage
completeness superposition.

Dispersion-staining Objective 10X



Stage

Rotund rotatable stage, 150mm
diameter, 360°graduated in
1°increments. Minimum retardation
resolution 6', center adjustable and
with tightener.



Transmitted Illumination System

360°rotatable polarizer with
0,90,180 and 270 four scales;
N.A. 1.25 Abbe condenser with Iris
diaphragm;
6V20W halogen lamp, brightness
adjustable.

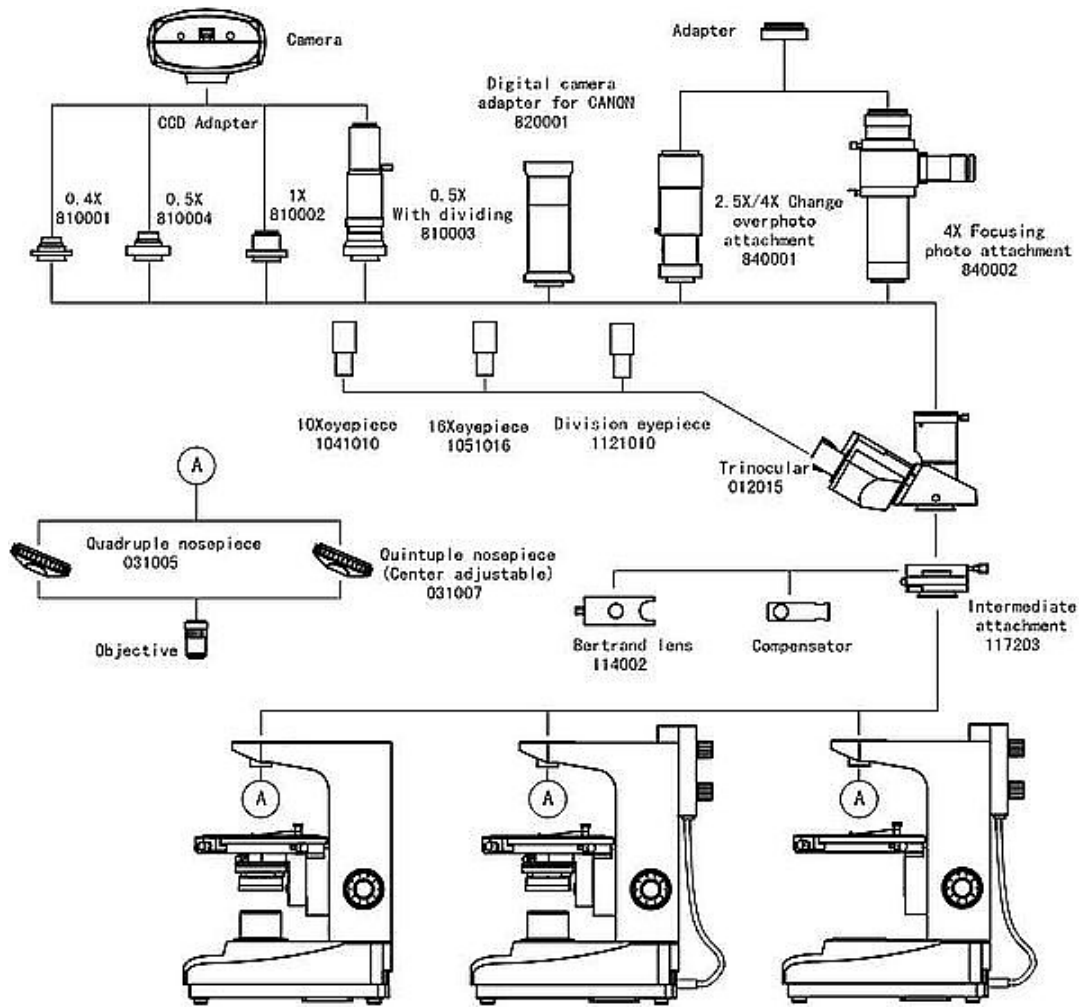


XPL1600

Configurations

Model	XPL1600
Eyepiece	Wide field 10X, crossline reticle
Viewing Head	Trinocular, 30° inclined
Objectives	Unstressed Plan Achromatic Objective 10X, 20X, 40X; Dispersion-staining Objective 10X
Polarizer	360° rotatable, 0,90,180,270 four scales
Collector	For halogen lamp illumination
Illumination	6V 20W halogen lamp, Brightness adjustable
Abbe Condenser	N.A. 1.25 with Iris Diaphragm and Phase Contrast Slider
Analyzer	Can switch to normal observe or polarizing observe freely ,90° rotatable with scale, minimum retardation resolution 12'
Bertrand Lens	Impellent style, center adjustable
Compensator	550nm λ , $\lambda/4$ and Quarts Wedge
Noisepiece	Quadruple (Frontward ball bearing inner locating)
Focus System	Coaxial coarse/fine focus system, with tension adjustable and limit stopper, minimum division of fine focusing: 2 μ m
Stage	Rotatable stage, Diameter Φ 150mm, 360° graduated (in 1° increments), minimum vernier division 6', center adjustable and with tightener
Includes	Centering Telescope, Stage micrometer, Dust Cover, Power Cord
Packing	Styrofoam and Exporting Carton

Diagram



Dimensions (mm)

