

# MM-3910

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## Metallurgical Microscope



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**Analytical Technologies Limited**

An ISO 9001 Certified Company

[www.analyticalgroup.net](http://www.analyticalgroup.net)

## ►► Overview

Brand Name:	ANALYTICAL
Model Number:	FM-3910
Theory:	Metallurgical Microscope
Drawtube:	Trinocular
Product name:	Professional Metallurgical Microscope with Bright/Dark field
Magnification:	50X-1000X
Application:	institutes and laboratories
Optical System:	Infinite Color Corrected Optical System
Objective:	5X/10X/20X//50X/100X
Eyepiece:	PL10X/25mm
Nosepiece:	Bright & Dark Quintuple Nosepiece
Stage:	4 inch three layers mechanical stage
Condenser:	Swing-out type achromatic condenser (N.A.0.9)
Illumination:	12V/100W halogen lamp house

►► Item	Specifications	FM-3910
Optical System	Infinite Color Corrected Optical System	•
Viewing Head	Siedentopf trinocular head, Erect image, 30° inclined, interpupillary distance: 50mm~76mm; splitting ratio Eyepiece:Trinocular=100:0 or 0:100	•
	Siedentopf trinocular head, Inverted image, inclined at 30°, interpupillary distance: 50mm~76mm; splitting ratio Eyepiece:Trinocular=100:0 or 20:80 or 0:100	◦
Eyepiece	High eyepoint wide field plan eyepiece PL10X/25mm, diopter adjustable	•
	High eyepoint wide field plan eyepiece PL10X/25mm, with reticle, diopter adjustable	◦
	High eyepoint wide field plan eyepiece PL10X/26.5mm, diopter adjustable	◦
	High eyepoint wide field plan eyepiece PL10X/26.5mm, with reticle, diopter	◦

Objective	Bright & Dark Field Semi-Apochromatic Metallurgical Objective 5X, NA=0.15, WD=13.5mm	•
	Bright & Dark Field Semi-Apochromatic Metallurgical Objectives 10X, NA=0.30, WD=9mm	•
	Bright & Dark Field Semi-Apochromatic Metallurgical Objectives 20X, NA=0.50, WD=2.5mm	•
	Bright & Dark Field Semi-Apochromatic Metallurgical Objectives 50X, NA=0.80, WD=1.0mm	•
	Bright & Dark Field Semi-Apochromatic Metallurgical Objectives 100X, NA=0.90, WD=1.0mm	•
	Bright Field Semi-Apochromatic Metallurgical Objective 5X, NA=0.15, WD=19.5mm	◦
	Bright Field Semi-Apochromatic Metallurgical Objectives 10X, NA=0.30, WD=10.9mm	◦
	Bright Field Semi-Apochromatic Metallurgical Objectives 20X, NA=0.50, WD=3.2mm	◦
	Bright Field Semi-Apochromatic Metallurgical Objectives 50X, NA=0.80, WD=1.2mm	◦
	Bright Field Semi-Apochromatic Metallurgical Objectives 100X, NA=0.90, WD=1.0mm	◦
Nosepiece (with DIC slot)	Bright & Dark Quintuple Nosepiece Bright & Dark Sextuple Nosepiece Bright Field Sextuple Nosepiece Bright Field Septuple Nosepiece	• ◦ ◦ ◦

Frame	<p>Reflected &amp; Transmitted body, low-position coaxial coarse and fine adjustment, coarse adjustment distance: 25mm; fine precision: 0.001mm. With coarse adjustment stop and tightness adjustment.</p> <p>Built-in 100-240V wide voltage transformer, double way power output; intensity adjustable by digital set and reset; switch for reflection and transmission; built-in transmitted filters (LBD/ND6/ND25).</p>	•
	<p>Reflected body, coaxial coarse and fine adjustment, coarse adjustment distance: 25mm; fine precision: 0.001mm. With coarse adjustment stop and tightness adjustment.</p>	◦
Stage	4 inch three layers mechanical stage with glass plate, moving range: 102mm(Y) *105mm(X)	•
Condenser	Swing-out type achromatic condenser (N.A.0.9)	•
Reflected Illuminator	BD reflected illuminator with iris field diaphragm and aperture diaphragm, central adjustable. With filter slot and polarizing slot. With switch for bright and dark field.	•
Lamp House	12V/100W halogen lamp house, center pre-set	•
Other Accessories	Camera adapter: 0.5X focusing C-mount	•

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Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



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3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds, souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

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