

INTRODUCTION

UMM-302 DIC differential interference contrast microscope is suitable to observe many different kinds of object. It is equipped with transmitted illuminator and reflected DIC system, infinity plan achromatic objectives with long working distance, wide-field eyepieces and polarizer device. It provides clear and 3D image, beautiful sculpt, convenient control, etc. It is the ideal instruments in research work in biology, metallography, mineralogy, precision engineering, electronics, etc.

FEATURES

- Excellent UIS optical system can obtain excellent optical performance.
- Compact and steady main frame body is embodiment for the shock resistance.
- The large-mobile range mechanical stage is adapted to observation big size specimen or quick check.
- Modularization function design so that update system expediently and achieved polarization, DIC observation.
- Ideal ergonomic design is adopted in this unit and have easier operation and wider space.



LAS IMAGENES PUEDEN VARIAR DEL ORIGINAL; INFORMACIÓN SUJETA A CAMBIO SIN PREVIO AVISO

STANDARD CONFIGURATION

Eyepiece :	10X wide-field plan eyepiece field of view number ϕ 18mm.				
	Type	Magnification	Number aperture	Working distance (mm)	Thickness of cover glass(mm)
	Bright field objective	5X	0.12	26.1	0
		10X	0.25	20.2	0
		20X	0.40	8.8	0
		40X	0.60	3.98	0
		80X	0.80	1.28	0
Eyepiece tube :	Inclination of 30° and interpupillary distance is 53~75mm.				
Focusing system :	Coaxial coarse/fine focus, with tension adjustable and up stop minimum division of fine focusing: 0.8 μ m.				
Nosepiece :	Quintuple (Backward ball bearing inner locating)				
Stage :	Mechanical stage size: 280mmX270mm, moving range: 204mmX204mm.				
Polarization unit :	Polarizer enable 360° rotate and switched in or out. Analyzer can be switched in or out.				
Light source :	12V50W halogen, brightness enable control				
DIC observation system :	10XDIC push-pull group 20XDIC push-pull group				

OPTIONAL ACCESSORIES

Name :	Parts/Technique parameter			
Eyepiece :	Dividing eyepiece (field number: μ 18mm) 0.10mm/Division			
	Magnification	Number aperture	Working distance (mm)	Remark
Objective:	50X	0.70	3.68	Bright field
	60X	0.75	1.22	
	100X(Dry)	0.85	0.40	
Stage :	Mechanical stage, overall size: 250mmX230mm Move range: 154mmX154mm			
CCD Adapter :	0.5X			
	1X			
Camera :	0.5X with dividing 0.1mm/Division			
	DV-130 1.3Mpixel			
	DV-200 2.0Mpixel			
Digital camera adapter :	DV-300 3.0Mpixel			
	CANON(EF), NIKON(F)			

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