

INSTRUCTIONS

U-UCD8

UNIVERSAL CONDENSER

Optical Microscope Accessory

This instruction manual is for the Olympus Universal Condenser Model U-UCD8. To ensure the safety, obtain optimum performance and to familiarize yourself fully with the use of this condenser, we recommend that you study this manual thoroughly before operating the microscope. Retain this instruction manual in an easily accessible place near the work desk for future reference.

Item	Specifications	
	Dry type top lens (U-TLD)	Immersion type top lens (U-TLO)
Applicable microscope	BX43, BX53, BX63, etc.	
Applicable microscopy	Transmitted light (brightfield, darkfield, phase contrast, DIC, polarizer light)	Transmitted light (brightfield, DIC)
Type	Achromat-Aplanat, swing-out type top lens (Top lens interchangeable)	
Numerical Aperture (NA)	0.9 (top lens in), 0.2 (top lens out)	1.4 (top lens in) when immersed in oil, 0.2 (top lens out)
Applicable slide thickness	0.9 to 1.4 mm	0.9 to 1.2 mm
Working distance	1.5 mm (with 1.2 mm slide)	0.6 mm (with 1.2 mm slide)
Illumination field	ϕ 3 mm (top lens in), ϕ 14 mm (top lens out)	ϕ 1.5 mm (top lens in), ϕ 14 mm (top lens out)
Focal length	13.5 mm (top lens in), 231 mm (top lens out)	8.8 mm (top lens in) 231 mm (top lens out)
Turret	8 positions (Small x 3, Large x 5), optical elements may be attached.	
Slider	Polarizer (360° rotatable)	
Aperture iris diaphragm	ϕ 2.8 to 21 mm	
Mounting	Detachable, circular dovetail, attached with clamping screw.	
Dimensions	147.5(W) x 131(D) x 75.5(H) mm (top lens in)	
Weight	600 grams	