



Operating Microscopes



Model name		OM-19	OM-9 XZ	OM-9 XE	OM-9 SM	OM-6
Microscope	Magnification changer	Motorized zoom magnification (zoom ratio 1:6)	Motorized zoom magnification (zoom ratio 1:5)	5-step motorized magnification	5-step manual magnification	3-step manual magnification
	Objective lens	F = 200 mm	F = 200 mm (apochromatic correction optical system)			F = 200 mm
	Eyepieces	10x (high-eyepoint & wide field)	10x (high-eyepoint & wide field)	16x (high-eyepoint & wide field)		12.5x (high-eyepoint & wide field)
	Field of view (diameter)	58.8-9.8 mm	49-9.8 mm	56 / 37.3 / 22.4 / 14 / 9 mm		48 / 28.8 / 18 mm
	Binocular tubes	Tilttable binocular tubes F = 170 mm		45° inclined binocular tubes F = 125 mm		
	Total magnifications	3.4x-20.4x	4.1x-20.4x	4x / 6x / 10x / 16x / 25x		4.7x / 7.8x / 12.5x
	Focus (motorized)	50 mm with centering control	30 mm			
	X-Y movement (motorized)	± 25 mm in each direction with speed 1.6-3.3 mm/sec and centering control	± 25 mm in each direction with speed 3 mm/sec and centering control		-	
Illumination	Method	Direct illumination				
	Light intensity adjustment	9 steps (5-level display on gauge)				
	Light source	2 types of LED	LED			
	Illuminated field (diameter)	60 mm				55 mm
	Red reflex illuminated field (diameter)	22 mm	60 mm		-	
	Filters	Heat-absorbing / Blue correction / Blue cut / Retina shield				Heat-absorbing / Blue correction / Blue / Green (red-
Arm & Base	Type	Floor stand with 4 casters and 2 stoppers				
	Balance arm stroke	500 mm (vertical)	400 mm (vertical)			
	Maximum arm reach	1260 mm	1045 mm			
	Maximum load tolerance on arm	Up to 7.7 kg of accessories	Up to 3.2 kg of accessories			Up to 2.4 kg of accessories
	Control panel	Zoom, focus, X-Y movement speed adjustment, focus and X-Y centering operations, illumination control	Brightness display, light intensity control, illumination ON/OFF switch, power switch			
	Foot controller	Wired 14-function control with IPX6-rated waterproof and dustproof performance	Wired 8-function control with IPX6-rated waterproof and dustproof performance			Wired focus control with IPX6-rated waterproof and dustproof performance
Others	Weight (excl. options)	156 kg	90.6 kg	90.2 kg	89.7 kg	62.3 kg
	Power input	125 VA	70 VA			
	Power supply	AC 100-230 V, 50/60 Hz				
	Electrical protection class	Class 1				

*Description and appearance as detailed in this brochure may be subject to change as improvements are made to products.

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