

# TAKAGI

## Operating Microscopes



Model name		OM-19	OM-9 XZ	OM-9 XE	OM-9 SM	OM-6
Microscope	Magnification changer	6x motorised zoom magnification	5x motorised zoom magnification	5 step motorised magnification	5 step manual magnification	3 step manual magnification
	Objective lens	F = 200 mm	F = 200 mm (apochromate 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 mm - 9.8 mm	49 mm - 9.8 mm	56 mm / 37.3 mm / 22mm / 4mm / 14mm / 9mm		48 / 28.8 / 18 mm
	Binocular tube	Tiltable 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
	Focusing	50 mm with motorised centring switch	30 mm with motorised centring switch			30 mm
	X-Y movement	± 25 mm in each direction with motorised speed and centring 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-free)
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 centring operations, illumination control	Brightness display, light intensity control, illumination ON/OFF switch, power switch			
	Footswitch	Wired 14 function control with IPX8 waterproof and dustproof performance	Wired 8 function control with IPX6 waterproof and dustproof performance			Wired with focus control, IPX6 waterproof and dustproof performance
Others	Weight	156 kg (excluding options)	90.5 kg (excluding options)		89.5 kg (excluding options)	62 kg (excluding options)
	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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