



Operating Microscope OM-5

Aiming at new levels in quality



Operating Microscope

OM-5

“EASY TO OPERATE”



Easy installation plus verification procedure take it in one's stride facility.

It brings high performance, reliability, availability and serviceability.

MODEL OM-5 Operating Microscope from TAKAGI meets the requirements after taking everything into consideration.

We reached this conclusion economically.

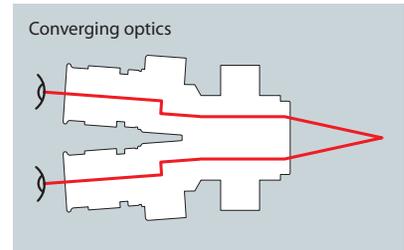
Enjoy OM-5 with amenity in optical mechanics !

MODEL OM-5 Operating Microscope that has been completed for ophthalmology but most suitable for the surgical treatment sufficiently adaptable in operating room universally.



1 Fusing image facility

With use of the converging optics with visual axis slanted by 6 degrees inward, the fusing image has been made feasible for a doctor claimed for diplopia so far and even for a beginner for microscope. It has become suitable eye positioning for operation.



2 High resolution and three magnification changes

The drum type magnification changing system enables a high resolution for total magnifications of 4.6x, 7.7x and 12.3x and furthermore the dial type P.D. adjustment mechanism, that is firstly available on this grade of microscope, a reasonable operating circumstances are permissible.



3 Motor driven focusing mechanism

By aid of foot switch operation, a maximum of 30mm focusing adjustable by motor driven focusing mechanism so it can be made just focus to the portion desirable to see.



4 The original balance arm mechanism

Taking advantage of the original balance arm mechanism extending up to the maximum stroke of 400mm, the operation microscope can be moved the most suitable position with Zoom and movable fixture smoothly and coordinating by manual operation to any optional establishment and quickly adjustable for arm balancing adjustment.



5 Cold light coaxial illumination

Cold light coaxial illumination with a high intensity 150W halogen lamp and light guide is adopted. Not only the coaxial illumination on the main, even the slit illumination to establish the optional illumination is adjustable steplessly upto its most suitable brightness.

Cobalt blue and green (red-free) filters are built-in.

Thanks to its built-in spare lamp unit even when the lamp bulb in use is burnt out, it can be replaced swiftly.



6 Wide array of optional components



TV camera adaptor



Straight binocular tube



Slit illuminator



Oblique illuminator



Assistant's binocular microscope

*When the TV camera adaptor is installed, a Beam splitter is separately required.

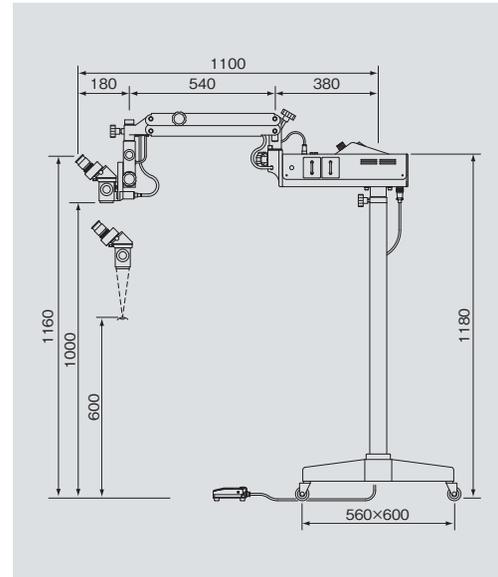
*When the slit illuminator, oblique illuminator or assistant's binocular microscope is installed, an Adaptor ring is separately required.



Specifications

Microscope	Magnification changer	3-step manual type
	Objective	F=175mm
	Eyepieces	12.5x
	Binoculars	45-degree binocular with converting optics
	Total magnifications	4.6x,7.7x,12.3x
	Real fields of view	φ 43.5mm, φ 26mm, φ 16.3mm
	Focusing stroke	30mm
Illumination	System	Cold light coaxial illumination by fiber light guide
	Light source	15V 150W halogen lamp
	Field of illumination	φ 45mm
	Illumination control	Continuous adjustment
	Filters	Heat-absorbing, cobalt blue and green
Arm, base	Mount	Floor stand
	Maximum arm extension	1100mm
	Arm vertical stroke	400mm
	Base size	560mm × 600mm
Others	Weight	60kg
	Power consumption	220VA
	Power supply	AC120V, AC230V ; 50/60Hz

Dimensions

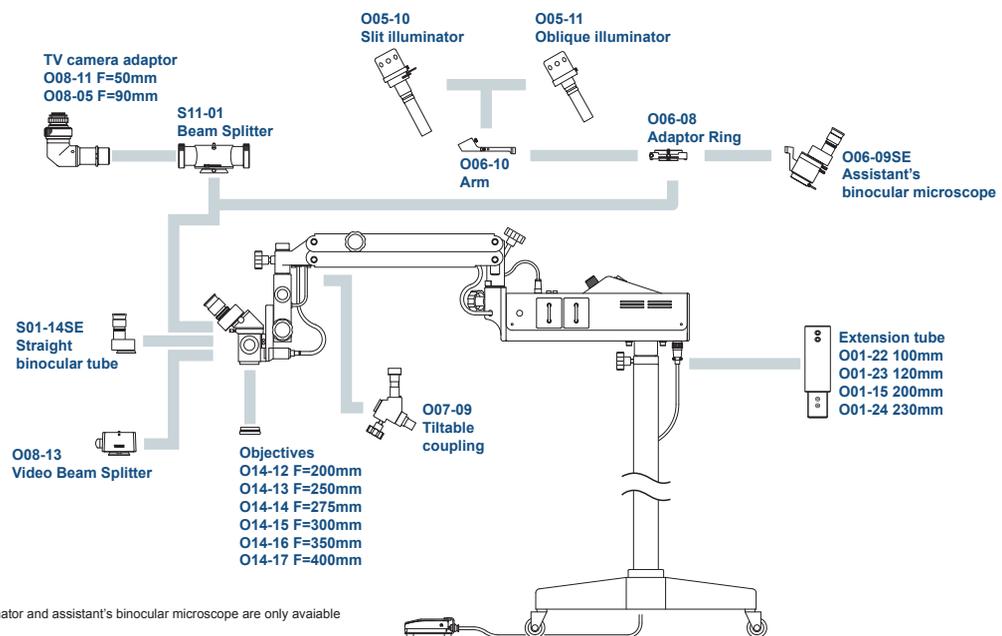


Total magnifications and real fields of view

Objectives F(mm)	Magnifications		
	0.6x	1.0x	1.6x
175	5.3 (37.3)	8.9 (22.4)	14.2 (14)
200	4.7 (42.7)	7.8 (25.6)	12.5 (16)
250	3.8 (53.3)	6.3 (32)	10 (20)
300	3.2 (64)	5.3 (38.4)	8.5 (24)
350	2.7 (74.7)	4.5 (44.8)	7.2 (28)

*The figures in () show diameters of the real fields of view in millimeters when a straight binocular tube f=125, with eyepieces 12.5x is used.

Optional Components



* Kindly note that the oblique illuminator, slit illuminator and assistant's binocular microscope are only available with objective F=175mm attached.

* Available in combination with UN-21 Full Reclining Chair as a treatment bed. (U21-02 OM arm is separately required for the installation.)

● Design and specifications are subject to change as improvements are made to the product.

TAKAGI SEIKO CO.,LTD.

330-2 IWAFUNE, NAKANO-SHI, NAGANO-KEN, 383-8585, JAPAN
 TEL.+81-269-22-4512 FAX.+81-269-26-6321
 URL: <http://www.takagi-j.com> E-mail: info@takagi-j.com

