



# SOM 1000

Operation Microscope



OPHTHALMOLOGY / ENT



## Description

Compact structure and complete functions.

Characteristics:

- Compact structure and complete functions.
- 4X~24x zoom magnifications, horizontal movement of foot control and fine focusing.
- Schott optics ensure the sharp image and even field of view.
- Applied in operations and fine examinations of ophthalmology, ENT, surgery, etc.

## Specifications

**Eyepiece Magnifications:** 12.5×/16×

**Diopter Adjustment:** ±6D

**View Angle of Eyepiece:** 30°~90°, optional 180° eyepiece tube

**Magnification for Main Microscope (Diameter of Field):** 4×~24× (φ41.5mm~φ7.5mm)

**Focal Length of Objective Lens:** f=200 mm, optional f=175/250/300 mm

**Pupillary Adjustment:** 50 mm ~ 75 mm

**Maximum Resolution:** 119 LP/mm

**Working Distance:** 190 mm

**Light Source:** 15V/150W, medical cold reflection halogen lamp

**Illumination Type:** 6°+0° coaxial illumination

**Coaxial Illuminance:** ≥80,000 Lx

**Filters:** Orange filter (optional cobalt blue filter)

**Reaching Radius of Arm:** 1020 mm

**Adjustable Vertical Range:** ±250 mm

**Fine Focusing Speed and Range:** ≤2 mm/s, 30 mm

**Speed for X/Y and Range:** ≤2 mm/s, 50 mm×50 mm

**Input Voltage:** AC 220V/110V±10%, 50Hz/60Hz

**Power Consumption:** 220 VA

**Fuse:** AC 250V T4.0A, AC 125V T8.0A

**Electrical Safety Standard:** IEC 60601-1, Class I

**Packing Volume:** 0.418 m<sup>3</sup>, 2 cartons

**Total Weight:** 87 kg



**ESSE3** Via Garibaldi 30  
14022 Castelnuovo D.B. (AT)  
Tel +39 011 99 27 706  
Fax +39 011 99 27 506  
e-mail [esse3@chierinet.it](mailto:esse3@chierinet.it)  
web: [www.esse3-medical.com](http://www.esse3-medical.com)

