OPMI 1FC from ZEISS
Quality is a timeless value
Today, as in the past, quality and precision represent timeless values in medicine. That is why surgeons around the world rely on the optics and innovative technologies from ZEISS for routine examinations and surgical procedures.

ENT specialists have trusted the time-tested OPMI® 1FC from ZEISS surgical microscope for over 50 years. By helping to define the field of microsurgery and aiding the development of new surgical techniques, the ZEISS OPMI 1FC continues to add to its legacy.

“I have been a regular user of ZEISS microscopes since 1981. Over the years, I have learnt to rely on the ZEISS optics to aid my surgical work. I am convinced that for precision and perfection, ZEISS is unmatched and is in a class of its own.”

Mohan Kameswaran, M.D., Consultant ENT Surgeon, Madras ENT Research Foundation, Chennai, India
Quality is in the details

ZEISS OPMI 1FC delivers high fidelity images, easily perfected with the fine focus functionality. The images can be captured and stored digitally for post-operative documentation using a compact digital camera attached via the FlexioStill™ camera adapter. Add a MediLive® primo video camera and video sequences can be displayed live on a monitor during surgery, allowing the surgical team to view the procedure in real time. These surgical videos and images can be quickly recorded with a MEDIALINK™ 100 video recorder for further processing.

Designed for flawless product operation, the quick-action lamp changer allows users to switch to the spare lamp at the push of a button. Brightness adjustments are located within the surgeon’s reach for ease of adjustment. After completing the procedure, the illumination automatically shuts off when the suspension arm is moved in its upper park position.

For both routine examinations and surgical procedures, ZEISS OPMI 1FC leaves nothing to be desired. The 5-step magnification changer and the wide range of objective lens focal distances ranging from 200 mm to 400 mm enable accommodation for virtually every ear, nose and throat application. The ability to attach a CO₂-laser micromanipulator further widens the application spectrum of ZEISS OPMI 1FC to include minimally invasive larynx surgery.
Teamed up with the S100 stands, ZEISS OPMI 1FC becomes a flexible product that is easy to maneuver into virtually any position. When not in use, the surgical microscope compactly folds together, providing additional space in typically crowded operating rooms.

Highly versatile, the product intelligently combines a simple design with solid operating quality and time-tested ZEISS technology. Whether used in combination with the S100 floor stand, ceiling mount or wall mount, ZEISS OPMI 1FC seamlessly adapts to the operating room environment large or small.

Versatility, surgical performance and effortless product operation all add up to an adaptable, dynamic visualization armamentarium for ENT applications.
## Technical Specifications

### S100/OPMI 1-FC from ZEISS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Magnification</strong></td>
<td>Manual, 5-step magnification changer, magnification factor $g = 0.4x – 2.5x$</td>
</tr>
<tr>
<td><strong>Focusing system</strong></td>
<td>Manual, using the focus adjusting knob, focusing range: 40 mm</td>
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<tr>
<td><strong>Objective lenses</strong></td>
<td>Different focal lengths from $f = 200$ mm to $f = 400$ mm, graded in steps of 50 mm</td>
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</tbody>
</table>
| **Tubes, Eyepieces**   | - Straight binocular tube, $f = 170$ mm, 12.5x widefield eyepieces (option: 10x)  
                          - 45° Inclined tube, $f = 170$ mm (optional)  
                          - 180° Tiltable tube $f = 170$ mm or $f = 200$ mm (optional)  
                          - Foldable Tube f170/f260, including PROMAG™ function for additional 50% magnification and integrated rotate function (optional) |
| **Illumination**       | Coaxial illumination 100 W halogen lamp, backup lamp in fast-action lamp changer |
| **Rated voltage**      | 115 V / 230 V ± 10%                                                       |
| **Rated frequency**    | 50 – 60 Hz                                                                 |
| **Power consumption**  | 115 VAC max. 2.0 A  
                          230 VAC max. 1.0 A                                                        |
| **Fuses**              | Fuse link  
                          115 V – T 6.3 A/H 250 V  
                          230 V – T 3.15 A/H 250 V                                                  |
| **Maximum load on suspension arm** | 2.5 to 7.0 kg (complete microscope equipment including accessories and coupling) |
## Technical Data

### Suspension systems

| S100 Floor Stand | Dimensions base: 625 x 625 mm  
|                  | Weight: approx. 90 kg  
|                  | (including microscope) |
| S100 Wall Mount  | Weight: approx. 45 kg  
|                  | (including microscope) |
| S100 Ceiling Mount | Weight: approx. 55 kg  
|                   | (including microscope) |