Technical Details

Illumination
- Coaxial cold light illumination 15 Volt / 150 Watt with stand by spare lamp, filters against UV and IR protection

Working distance/Objectives
- Objective \( f = 200 \text{ mm} \), \( f = 250 \text{ mm} \), \( f = 400 \text{ mm} \)

Fine-Focussing
- 12 mm with focussing objective \( f = 250 \text{ mm} \) and \( f = 200 \text{ mm} \)

Binocular Tube
- Straight tube \( f = 170 \text{ mm} \), straight tube \( f = 125 \text{ mm} \) or wide angle tiltable tube \( f = 182 \text{ mm} \) 0-210°

Oculars
- WF 10 x V, WF 12 x V, WF 16 x V, WF 20 x V with diopter lock adjustable

Magnification
- 5-step magnification changer (apochromatic)

Accessibility

Integrated video camera “vision”
- 1/4" CCD colour video camera, Y/C (S-VHS), FBAS (composite), 752 (H) x 582 (V) PAL

Photo/Video Documentation
- Integrated beam splitter with endoscope adapter, beam splitter one-sided. TV-tube for connection to C-mount, colour video camera, phototube digital to connect a DSLR camera with T2 adaptor

Second Observer
- Second Observer tube, monocular

Factor Sign

<table>
<thead>
<tr>
<th>Factor Sign</th>
<th>0.4</th>
<th>0.6</th>
<th>1.0</th>
<th>1.6</th>
<th>2.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Magnification</td>
<td>4.3</td>
<td>6.7</td>
<td>10.6</td>
<td>17.3</td>
<td>29.6</td>
</tr>
<tr>
<td>Field of View ( \varnothing ) in mm</td>
<td>54</td>
<td>36</td>
<td>23</td>
<td>15</td>
<td>10</td>
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</tbody>
</table>

Illuminated field diameter = 90 mm
Innovative swing in filter design
Through the innovative filter design, the proENT can be equipped with 2 different filters at the same time. The red free filter makes even finest details visible during the orange filter prevents a too early hardening of the plastic fillings before you finished your work.

Documentation
For documentation purposes there are many different systems available. The integrated video camera “vision” can fitted fast between the magnification changer and binocular tube without using of any tools. For your own camera, we recommend to use the integrated endoscope adapter which ensures a simple and fast connection of existing camera models is a big range of selection for further accessories available (beam splitter and different 7V-tubes).

Easy examination
Place your microscope head in its standby position and the illumination is automatically switched off. Bring the system into its using position again and the light comes on again. This saves you time and reduces your consumption of halogen bulbs.

Sterilization
Drapes or sterilization covers on all important knobs keeps the controls clean.

Kaps ENT diagnostic
to microscope proENT
High Performance from the ENT Specialists

Kaps ENT microscopes combine excellent illumination with brilliant apochromatic optics, plus easy and exact positioning - all in a modular system that can easily accommodate additional accessories at any time. The ergonomic design of these microscopes gives precise, fatigue-free operation, with brilliant three-dimensional images and a large depth of focus it is ideal for today's procedures.

Mobile stand
The slim proENT design enables a short working distance for the surgeon to the examination field and is user friendly as well as immediately ready to work. Owing to the compact design, the proENT mobile stand with its larger easy rolling casters and brakes could be easily transported from one room into to another.

Apochromatic magnification changer
The apochromatic 5-step magnification changer enables a crisp and crystal-clear image with high transmission and natural colours. A manual focusing objective lens is provided for focusing. The lens can always be operated with optimum convenience – no matter whether you are a left-handed or right-handed person, as you can position the focusing knob exactly where you want it.

Ergonomics
For investigations at the ear, the 30° inclined coupling is available and allows a lateral swivelling of the microscope head. Perfect system balance and functional ergonomic handles make it reliable and allowing you “One Hand Movement” of the microscope head. All functional knobs are in a close reach of your arm.

Integrated “quick” bulb changer
The integrated quick lamp changer allows the user to switch to the spare a matter of seconds only by turning the knob.

Kaps proENT dimensions and weight

Dimensions and Weight

<table>
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<tr>
<th>Mobile stand: Length/Width</th>
<th>620 mm</th>
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<tr>
<td>Height of Device:</td>
<td>1680 mm</td>
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<td>Weight:</td>
<td>approx. 80 kg</td>
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Accessories
Integrated endoscope adapter
(Adaptation to competitor's microscopes possible)
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Height of Device: 1680 mm
Weight: approx. 80 kg

Integrated endoscope adapter

(Adaptation to competitor’s microscopes possible)
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