uni®/econom®

The reliable classic for everyday use.
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uni®/econom®

Riester uni®/econom® – the reliable product line for ENT and ophthalmology. Durable, user-friendly, variable and in customary Riester quality.

- Illumination of the examination area with 2.7 V vacuum, xenon illumination XL 2.5 V or xenon illumination XL 3.5 V, similar to daylight.
- Power supply is possible via various handles or charging base ri-charger®
- Choice of sets with exceptional cost-effectiveness
- Developed and manufactured in Germany.

Simple attachment of the instrument head with plug-in connector.

Now also with XL xenon illumination. XL from Riester sheds light on your diagnosis! The convincing result of intensive research and development work: clearly noticeable increase in illumination intensity by using xenon XL illumination technology. The service life of the lamps is absolutely comparable to HL halogen illumination.
INSTRUMENTS FOR ENT

Instruments from Riester for ears, nose and throat offer numerous diagnostic possibilities with a high degree of comfort in use.

OTOSCOPE

- Removable magnifying lens with 4-fold magnification can be swivelled to both sides.
- Removable cover glass for insertion of external instruments.
- Suitable for nasal examinations when using the 9 mm speculum.
- Plug-in connector for quick and secure attachment to handle.
- Sealed system for performing pneumatic otoscopy.
- Ageing-resistant chrome-plated metal head.
- Simple exchange of lamp at the front of the instrument head.
- Including ear specula with stainless steel fitting, 2, 3, and 4 mm.
- Available with 2.7 V vacuum, XL 2.5 V xenon or XL 3.5 V xenon lamp, similar to daylight.

OTOSCOPE

No. 10420 vacuum 2.7 V
No. 10419 XL 2.5 V
No. 10418 XL 3.5 V

ACCESSORIES

Cover glass for otoscope
- with sturdy plastic frame and adapter for the pneumatic test.
- simple to attach to the otoscope head by inserting and turning.

Swivel lens for otoscope
- 4-fold magnification.
- Ageing-resistant metal frame with plug-in connector.

Specula for otoscope
- Reusable ear specula with stainless steel fitting.
- Various sizes are available: 2 mm, 3 mm, 4 mm, 5 mm and 9 mm.
- The 9 mm speculum is suitable as a nasal speculum.
- Sterilisation possible at 134°C for 10 minutes in a steam sterilizer or disinfection by conventional means.
- Easy insertion into ear and nose, specula are optimally shaped.
- Supplied in a poly-bag.

Cover glass for otoscope

No. 11504

Swivel lens for otoscope

No. 10448

Specula for otoscope

No. 10460 2 mm
No. 10461 3 mm
No. 10462 4 mm
No. 10463 5 mm
No. 10464 9 mm (nasal speculum)
**Ball for pneumatic test**
- for all *Riester* otoscopes.

**Nasal Speculum**
- non-ageing chrome-plated metal speculum.
- slow and controlled expansion of the speculum by turning on the screw adjuster.
- for fitting to the otoscope head.

**Bent Arm Illuminator**
- with 2.7 V vacuum lamp, 2.5 V XL xenon or 3.5 V XL xenon lamp.
- chrome-plated metal, durable and sturdy.
- plug-in connector for fast and secure attachment to the handle.
- simple exchange of the lamp at the front of the bent arm illuminator.

**Accessories**
**Laryngeal Mirror**
For all *Riester* bent arm illuminators
- two laryngeal mirrors No. 3 (diameter 20 mm) and No. 4 (diameter 22 mm) for illuminating and mirror examination of the laryngeal area.
- simple to attach to the bent arm illuminator.
TONGUE BLADE HOLDER

• made of stainless steel, durable and sturdy.
• simple attachment to the bent arm illuminator.

Simple and secure attachment to the bent arm illuminator with the clip holder.

OPHTHALMOLOGICAL INSTRUMENTS

Riester instruments for ENT and ophthalmology unite good diagnostic characteristics with reliable quality and the most modern illumination technologies in all models.

May ophthalmoscope

• with 2.5 V xenon - or 3.5 V xenon lamp.
• durable and sturdy ABS plastic head for long service life.
• plug-in connector for fast and secure attachment to handle.
• focusing wheel with corrective lenses from 0 to +20 or 0 to -20 dioptries.
• aperture with large circle for examination for the fundus of the eye.
• simple exchange of the lamp at the base of the instrument head.

Corrective lenses:

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<th>1.5</th>
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The corrective lenses from +20 to -20 dioptres guarantee a focused image even in the case of strong refractive anomalies.

Aperture

Large circle
**LAMPEN**

*Riester* offers lamps in different light qualities: 2.7 V vacuum lamps, XL 2.5 V xenon lamps with considerably stronger and whiter light, as well as particularly light intensive XL 3.5 V xenon lamps for conditions similar to daylight.

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
<th>Part Numbers</th>
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<tbody>
<tr>
<td>2.7 V vacuum lamps</td>
<td>for otoscope and bent arm illuminator, pack of 6</td>
<td>No. 10421</td>
</tr>
<tr>
<td>XL 2.5 V xenon lamps</td>
<td>for otoscope and bent arm illuminator, pack of 6</td>
<td>No. 10590</td>
</tr>
<tr>
<td></td>
<td>for May ophthalmoscope, pack of 6</td>
<td>No. 10426</td>
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<tr>
<td>XL 3.5 V xenon lamps</td>
<td>for otoscope and bent arm illuminator, pack of 6</td>
<td>No. 10592</td>
</tr>
<tr>
<td></td>
<td>for May ophthalmoscope, pack of 6</td>
<td>No. 10593</td>
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</tbody>
</table>

*All lamps are shown in original size.*
POWER SOURCES

The Riester product range includes various high-quality and durable power sources. The devices listed here as standard models for 230 V or 120 V. If other voltages or country-specific plugs are required, please enquire when you send your order.

HANDLES

The easy-to-manage Riester handles with rheostat for regulation of light intensity are the basis of a reliable examination. The well thought-out ergonomics of the plug-in and battery handles ensure comfortable handling.

- Sturdy metal handle, chrome-plated.
- Fluted handle surface for hygienic use and secure grip in the hand.
- Practical plug-in connector for fast exchange of the instrument heads.
- Simple change of batteries at the base of the handles.
- For uni® and econom® instrument heads with 2.7 V vacuum, XL 2.5 V xenon or XL 3.5 V xenon illumination.

Battery handle type C with rheostat
without batteries, handle diameter: 28 mm.

- No. 10425 with cover, without bore
  for two batteries type C

- No. 10429 with cover, without bore
  for rechargeable ri-accu® NiMH battery.
  Simple recharging in the ri-charger® charging base.

- No. 10686 Alkaline battery 1.5V, type C

- No. 10681 2.5 V
  No. 10682 3.5 V
  Rechargeable NiMH battery ri-accu®

- No. 10679 wiith cover, without bore
  Battery handle cover

Accessories

No. 10429
with cover, without bore

No. 10679
with cover, without bore

No. 10425
with cover, without bore
Plug-in handle with rheostat
including rechargeable NiMH battery ri-accu®

- No. 10430 2.5 V / 230 V
- No. 10431 2.5 V / 120 V

Rechargeable NiMH battery ri-accu®

- No. 10683 2.5 V

Plug-in handle with rheostat
including rechargeable Li-Ion battery ri-accu®L

- No. 10432 3.5 V / 230 V
- No. 10433 3.5 V / 120 V

Rechargeable Li-Ion battery ri-accu®L

- No. 10692 3.5 V

Combi-handles with Rheostat
with rechargeable NiMH battery ri-accu® for plug-in handle casing.

- No. 10668 230 V
- No. 10669 120 V
  - Plug-in handle casing for a rechargeable NiMH battery ri-accu® (No. 10683 2.5 V),
    alternative handle casing for a rechargeable NiMH battery ri-accu® (No. 10681 2.5 V)
    or for two batteries type C.
  - By simply exchanging the plug-in casing with the alternative handle casing the plug-in
    handle is converted into a battery handle – fast and cost-effectively. There is no need to
    place an adapter in between!
  - Handle diameter: 28 mm.
  - Charge up in the charging base ri-charger® or in an electrical socket.
  - The combi-handle cannot be combined with parts from the battery handle type C or
    plug-in handles.

- No. 10683 2.5 V
- No. 10681 2.5 V
- No. 10686 Alkaline battery 1.5 V, type C

The combi-handle combines three functions in one! It is always ready for use – even when electricity in not always permanently available from the socket!
Charging base

ri-charger® is the perfect charging base for all rechargeable battery handles type C and the innovative combi-handle. After use, the instruments are being put into the charging base so that they remain operational at all times.

- Simultaneous charging of 2.5 V and 3.5 V handles possible (using NiMH rechargeable batteries).
- Can be used as desk or wall model.
- With practical storage compartment for two replacement lamps and ear specula.
- Status indicator of charging process on the device:
  - yellow control lamp: charging in progress
  - green control lamp: charging completed

ri-charger® complete, with wall mounting, reduction insert and cover for ear specula compartment.

- for all rechargeable handles 2.5 V and 3.5 V with NiMH rechargeable batteries.

SETS

Riester uni® and econom® sets and handy examination assistants for ENT and ophthalmology. Available in various models and combinations, as well as an optional choice of 3 different illuminations.

- 2.7 V instruments with vacuum lamps.
- 2.5 V instruments with XL xenon lamps.
- 3.5 V instruments with XL xenon lamps.
- We will be pleased to provide information on minimum ordering quantities for customer specific product combinations and packaging upon request.

uni® I otoscope

- With reusable ear specula 2, 3, and 4 mm.
- In a silver-coloured plastic case with two snap fasteners.

Battery handle type C with rheostat
No. 2010 vacuum 2.7 V
No. 2010-201 XL 2.5 V

Plug-in handle type C with rheostat, including ri-accu® / ri-accu®L
No. 2011-200 vacuum 2.7 V / 230 V
No. 2012-200 vacuum 2.7 V / 120 V
No. 2011-201 XL 2.5 V / 230 V
No. 2012-201 XL 2.5 V / 120 V
No. 2011-202 XL 3.5 V / 230 V
No. 2012-202 XL 3.5 V / 120 V

Battery handle type C with rheostat, including ri-accu® and ri-charger®
No. 2013-200 vacuum 2.7 V / 230 V
No. 2014-200 vacuum 2.7 V / 120 V
No. 2013-201 XL 2.5 V / 230 V
No. 2014-201 XL 2.5 V / 120 V
No. 2013-202 XL 3.5 V / 230 V
No. 2014-202 XL 3.5 V / 120 V
uni® II May ophthalmoscope

- In a silver-coloured plastic case with two snap fasteners.

**Battery handle type C with rheostat**

- No. 2020 XL 2.5 V
- No. 2020-201 XL 2.5 V

**Plug-in handle type C with rheostat, including ri-accu® / ri-accu®L**

- No. 2021-200 XL 2.5 V / 230 V
- No. 2022-200 XL 2.5 V / 120 V
- No. 2021-202 XL 3.5 V / 230 V
- No. 2022-202 XL 3.5 V / 120 V

**Battery handle type C with rheostat, including ri-accu® and ri-charger®**

- No. 2023-200 XL 2.5 V / 230 V
- No. 2024-200 XL 2.5 V / 120 V
- No. 2023-202 XL 3.5 V / 230 V
- No. 2024-202 XL 3.5 V / 120 V

uni® III otoscopes, May ophthalmoscope

- With reusable ear specula 2, 3, and 4 mm.
- In a silver-coloured plastic case with two snap fasteners.

**Battery handle type C with rheostat**

- No. 2030 vacuum 2.7 V / XL 2.5 V
- No. 2030-201 XL 2.5 V

**Plug-in handle type C with rheostat, including ri-accu® / ri-accu®L**

- No. 2031-200 vacuum 2.7 V / XL 2.5 V / 230 V
- No. 2032-200 vacuum 2.7 V / XL 2.5 V / 120 V
- No. 2031-201 XL 2.5 V / 230 V
- No. 2032-201 XL 2.5 V / 120 V
- No. 2031-202 XL 3.5 V / 230 V
- No. 2032-202 XL 3.5 V / 120 V

**Battery handle type C with rheostat, including ri-accu® and ri-charger®**

- No. 2033-200 vacuum 2.7 V / XL 2.5 V / 230 V
- No. 2034-200 vacuum 2.7 V / XL 2.5 V / 120 V
- No. 2033-201 XL 2.5 V / 230 V
- No. 2034-201 XL 2.5 V / 120 V
- No. 2033-202 XL 3.5 V / 230 V
- No. 2034-202 XL 3.5 V / 120 V
No. 2050 **econom**, nasal speculum expandable

uni® I otoscope head, uni® II may ophthalmoscope head, nasal speculum expandable, bent arm illuminator, 2 laryngeal mirrors No. 3 and 4, tongue blade holder, replacement lamp otoscope (also for bent arm illuminator).

- In hard protective deluxe case with sturdy sliding safety catches.

**Battery handle type C with rheostat**

<table>
<thead>
<tr>
<th>No.</th>
<th>Voltage</th>
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<tbody>
<tr>
<td>2050</td>
<td>vacuum 2.7 V / XL 2.5 V</td>
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<tr>
<td>2050-201</td>
<td>XL 2.5 V</td>
</tr>
</tbody>
</table>

**Plug-in handle type C with rheostat, including ri-accu® / ri-accu®L**

<table>
<thead>
<tr>
<th>No.</th>
<th>Voltage</th>
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<td>2051-200</td>
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<td>XL 3.5 V / 230 V</td>
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<tr>
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<td>XL 3.5 V / 120 V</td>
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</table>

**Battery handle type C with rheostat, including ri-accu® and ri-charger®**

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<th>No.</th>
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<tr>
<td>2053-200</td>
<td>vacuum 2.7 V / XL 2.5 V / 230 V</td>
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<td>2054-200</td>
<td>vacuum 2.7 V / XL 2.5 V / 120 V</td>
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<tr>
<td>2054-202</td>
<td>XL 3.5 V / 120 V</td>
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</tbody>
</table>

No. 2050-525 **econom**, nasal speculum 9 mm

uni® I otoscopes head, uni® II ophthalmoscope head, nasal speculum 9 mm, bent arm illuminator, 2 laryngeal mirrors No. 3 and 4, tongue blade holder, replacement lamp otoscope (also for bent arm illuminator).

- In hard protective deluxe case with sturdy sliding safety catches.

**Battery handle type C with rheostat**

<table>
<thead>
<tr>
<th>No.</th>
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<tbody>
<tr>
<td>2050</td>
<td>vacuum 2.7 V / XL 2.5 V</td>
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<tr>
<td>2050-201</td>
<td>XL 2.5 V</td>
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**Plug-in handle type C with rheostat, including ri-accu®**

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<td>2051-202</td>
<td>XL 3.5 V / 230 V</td>
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<tr>
<td>2052-202</td>
<td>XL 3.5 V / 120 V</td>
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**Battery handle type C with rheostat, including ri-accu® and ri-charger®**

<table>
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<th>No.</th>
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