

uni® / econom®

 **Riester**

The familiar way



The **reliable classic**  
for **everyday use.**

Instruments for ENT  
Ophthalmological instruments



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uni®/econom®

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

¥ Illumination of the examination area with 2.7 V vacuum, HL 2.5 V Halogen or xenon illumination XL 3.5 V, similar to daylight.

¥ Power sources via various handles or charging base ri-charger® possible.

¥ Choice of sets with exceptional cost-effectiveness.

¥ Developed and manufactured in Germany.

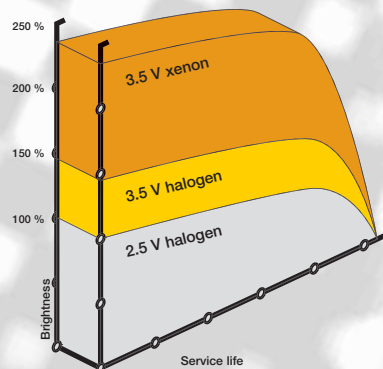


### Illumination technology

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 the brightness values by using xenon XL illumination technology. The service life of the lamps is the same as for HL halogen illumination.



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



## Instruments for ENT

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

### Otoscope



#### Otoscope

- ¥ Removable magnifying lens with 4-fold magnification can be swivelled to both sides.
- ¥ Removable cover glass to insert 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, HL 2.5 V halogen or XL 3.5 V xenon lamp, similar to daylight.

<b>No. 10420</b>	vacuum 2.7 V
<b>No. 10419</b>	HL 2.5 V
<b>No. 10418</b>	XL 3.5 V



Simple to attach and swivel 360°.

### Accessories



#### Cover glass

**No. 11504**

- 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

**No. 10448**

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



#### Specula

<b>No. 10460</b>	2 mm
<b>No. 10461</b>	3 mm
<b>No. 10462</b>	4 mm
<b>No. 10463</b>	5 mm
<b>No. 10464</b>	(nasal speculum) 9 mm

- 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.



#### Bulb for the pneumatic test

**No. 10960**

- for all Riester otoscopes

## Nasal speculum



### Nasal speculum

No. 10440

- ¥ Ageing-resistant chrome-plated metal speculum.
- ¥ Slow and controlled expansion of the speculum by turning on the screw adjuster.
- ¥ For fitting to the otoscope head.



Adjustment to the desired expansion is infinitely variable by means of the knurled thumb screw.

## Bent arm illuminator



### Bent arm illuminator

No. 10443

vacuum 2.7 V

No. 10442

HL 2.5 V

No. 10441

XL 3.5 V

- ¥ With 2.7 V vacuum lamp, 2.5 V halogen lamp or 3.5 V 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

No. 10447

1 pair

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



### Tongue blade holder

- ¥ Made of stainless steel, durable and sturdy.
- ¥ Simple attachment to the bent arm illuminator.

No. 10445



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

## Accessories



### Wooden tongue depressors

- ¥ 100 disposable wooden tongue depressors in a practical dispenser box.
- ¥ Smooth and splinter-free tongue depressors with rounded edges, made of high-grade, light birch wood.
- ¥ Size: 150 x 18 x 1.7 mm.
- ¥ Non-sterile, heated to 70 °C.
- ¥ Depressors wrapped individually in paper with advertising print available. Prices available upon request.

No. 12530 Minimum order amount:  
100 Packs  
(10,000 tongue depressors)

## Ophthalmological instruments

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

## May ophthalmoscope



### May ophthalmoscope

- ¥ With 2.7 V vacuum lamp, 2.5 V halogen lamp or 3.5 V xenon lamp.
- ¥ Durable and sturdy metal head for long service life.
- ¥ Plug-in connector for fast and secure attachment to handle.
- ¥ Focussing wheel with corrective lenses from 0 to +20 or 0 to -20 dioptres.
- ¥ Aperture with large circle for examination of the fundus of the eye.
- ¥ Simple exchange of the lamp at the base of the instrument head.

No. 10423 vacuum 2.7 V

No. 10417 HL 2.5 V

No. 10416 XL 3.5 V

#### Corrective lenses

D+	0.5	1	1.5	2	3	4	5	6	8	10	12	15	20
D-	1	2	3	4	5	6	8	10	15	20			

The corrective lenses from +0.5 to -20 dioptres guarantee a focussed image even in the case of strong refractive anomalies.

#### Aperture



Effortless exchange of the lamp by means of simple push-fit mechanism at the base of the instrument head.

## Lamps

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

### 2.7 V vacuum lamps



#### 2.7 V vacuum lamps

for otoscope and bent arm illuminator  
Pack of 6

No. 10421



#### 2.7 V vacuum lamp

for May ophthalmoscope  
Pack of 6

No. 10424

### HL 2.5 V halogen lamps



#### HL 2.5 V halogen lamps

for otoscope and bent arm illuminator  
Pack of 6

No. 10590



#### HL 2.5 V halogen lamp

for May ophthalmoscope  
Pack of 6

No. 10591

### XL 3.5 V xenon lamps



#### XL 3.5 V xenon lamp

for otoscope and bent arm illuminator  
Pack of 6

No. 10592

**XL**  
Illumination technology



#### XL 3.5 V xenon lamp

for May ophthalmoscope  
Pack of 6

No. 10593

\* All lamps are shown in the original size.

## Power sources

The Riester product range includes various high-quality and durable power sources. The devices described here are 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 regulating 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, HL 2.5 V halogen or XL 3.5 V xenon.



<b>Battery handle type C with rheostat</b> without batteries	<b>No. 10425</b>	with cover, without bore
¥ For two batteries type C or for a rechargeable ri-accu NiMH battery.	<b>No. 10429</b>	with cover, with bore
¥ Handle diameter: 28 mm.		
¥ Simple recharging in the ri-charger charging base.		

Rechargeable NiMH battery ri-accu	<b>No. 10681</b>	2.5 V
	<b>No. 10682</b>	3.5 V

Alkaline battery 1.5 V, type C	<b>No. 10686</b>	
		

## Accessories



<b>Battery handle cover</b>	<b>No. 10679</b>	without bore
	<b>No. 11682</b>	with bore



<b>Plug-in handle with rheostat</b> with rechargeable NiMH battery ri-accu	<b>No. 10430</b>	2.5 V/230 V
	<b>No. 10431</b>	2.5 V/120 V
¥ For rechargeable NiMH battery ri-accu.	<b>No. 10432</b>	3.5 V/230 V
¥ Handle diameter: 28 mm.	<b>No. 10433</b>	3.5 V/120 V
¥ Simple recharging in an electrical socket.		

Rechargeable NiMH battery ri-accu	<b>No. 10683</b>	2.5 V
	<b>No. 10684</b>	3.5 V



<b>Combi-handles</b> with rheostat with rechargeable NiMH battery ri-accu for plug-in handle casing	<b>No. 10668</b>	230 V
	<b>No. 10669</b>	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.		



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

¥ By simply exchanging the plug-in casing with the alternative handle casing the plug-in handle is converted to 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.

Rechargeable NiMH battery ri-accu® 	No. 10683	2.5 V
Rechargeable NiMH battery ri-accu® 	No. 10681	2.5 V
Alkaline battery 1.5 V, type C 	No. 10686	




### Battery handle type D with rheostat

No. 10678

without batteries

¥ For two batteries type D.

¥ Handle diameter: 36.5 mm.

Alkaline battery 1.5 V, type D 	No. 10687	
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### Charging bases

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

¥ Simultaneous charging of 2.5 V and 3.5 V handles possible.

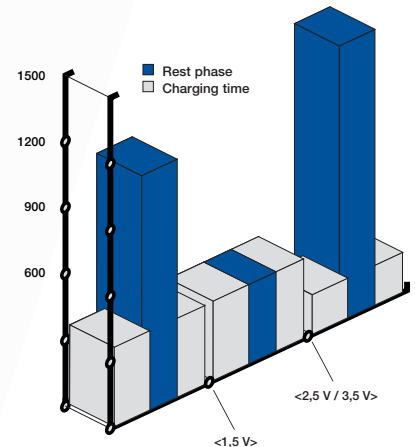
¥ Can be used as desk or wall model.

¥ 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® provides more energy – with the use of impulse charging technology. Charging is carried out in three phases – regeneration, charging and maintenance phase – and prolongs the battery service life to a maximum. The memory effect can be successfully prevented.



### ri-charger®

complete, with wall mounting

¥ For all rechargeable handles 2.5 V and 3.5 V.




No. 10700

230 V

No. 10701

120 V

### Accessories

Wall mounting 	with screws and plugs	No. 10710
Reduction insert 	for handles AA (ri-star®)	No. 10711
Cover 	for ear specula compartment	No. 10712

Sets



Riester uni $\alpha$  and econom $\alpha$  sets are 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 HL halogen 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.



**uni@ II May ophthalmoscope**

¥ 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** HL 2.5 V

**No. 2020** vacuum 2.7 V  
**No. 2020-201** HL 2.5 V

**Plug-in handle type C with rheostat**



+ ri-accu®



**No. 2011-200** vacuum 2.7 V/230 V  
**No. 2012-200** vacuum 2.7 V/120 V  
**No. 2011-201** HL 2.5 V/230 V  
**No. 2012-201** HL 2.5 V/120 V  
**No. 2011-202** XL 3.5 V/230 V  
**No. 2012-202** XL 3.5 V/120 V

**No. 2021-200** vacuum 2.7 V/230 V  
**No. 2022-200** vacuum 2.7 V/120 V  
**No. 2021-201** HL 2.5 V/230 V  
**No. 2022-201** HL 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**



+ ri-accu®



+ ri-charger®



**No. 2013-200** vacuum 2.7 V/230 V  
**No. 2014-200** vacuum 2.7 V/120 V  
**No. 2013-201** HL 2.5 V/230 V  
**No. 2014-201** HL 2.5 V/120 V  
**No. 2013-202** XL 3.5 V/230 V  
**No. 2014-202** XL 3.5 V/120 V

**No. 2023-200** vacuum 2.7 V/230 V  
**No. 2024-200** vacuum 2.7 V/120 V  
**No. 2023-201** HL 2.5 V/230 V  
**No. 2024-201** HL 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 otoscope,  
May ophthalmoscope**

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



**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.



**No. 2050-525 econom®,  
nasal specula 9 mm**

*uni® I otoscope head, uni® II May ophthalmoscope head, nasal specula 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.

**No. 2030** vacuum 2.7 V  
**No. 2030-201** HL 2.5 V

**No. 2050** vacuum 2.7 V  
**No. 2050-201** HL 2.5 V

**No. 2050-525** vacuum 2.7 V  
**No. 2050-525-201** HL 2.5 V

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

**No. 2051-200** vacuum 2.7 V/230 V  
**No. 2052-200** vacuum 2.7 V/120 V  
**No. 2051-201** HL 2.5 V/230 V  
**No. 2052-201** HL 2.5 V/120 V  
**No. 2051-202** XL 3.5 V/230 V  
**No. 2052-202** XL 3.5 V/120 V

**No. 2051-525-200** vacuum 2.7 V/230 V  
**No. 2052-525-200** vacuum 2.7 V/120 V  
**No. 2051-525-201** HL 2.5 V/230 V  
**No. 2052-525-201** HL 2.5 V/120 V  
**No. 2051-525-202** XL 3.5 V/230 V  
**No. 2052-525-202** XL 3.5 V/120 V

**No. 2033-200** vacuum 2.7 V/230 V  
**No. 2034-200** vacuum 2.7 V/120 V  
**No. 2033-201** HL 2.5 V/230 V  
**No. 2034-201** HL 2.5 V/120 V  
**No. 2033-202** XL 3.5 V/230 V  
**No. 2034-202** XL 3.5 V/120 V

**No. 2053-200** vacuum 2.7 V/230 V  
**No. 2054-200** vacuum 2.7 V/120 V  
**No. 2053-201** HL 2.5 V/230 V  
**No. 2054-201** HL 2.5 V/120 V  
**No. 2053-202** XL 3.5 V/230 V  
**No. 2054-202** XL 3.5 V/120 V

**No. 2053-525-200** vacuum 2.7 V/230 V  
**No. 2054-525-200** vacuum 2.7 V/120 V  
**No. 2053-525-201** HL 2.5 V/230 V  
**No. 2054-525-201** HL 2.5 V/120 V  
**No. 2053-525-202** XL 3.5 V/230 V  
**No. 2054-525-202** XL 3.5 V/120 V



diplomat-presameter®



minimus® II



ri-san®



exacta®



big ben®



ri-champion® N



ri-mini®/pen-scope®



E.N.T. endoscopes



ri-scope® L



ri-former®



ri-thermo® N



cardiophon



ri-clar®



ri-focus® LED



ri-integral



ri-fox



### Riester offers a large selection of products for a variety of applications, including

Sphygmomanometers | Instruments for E.N.T.,  
Ophthalmological Instruments | Dermatological Instruments |  
Thermometers | Stethoscopes | Headmirrors, Headlamps,  
Examination lamps | Laryngoscopes | Gynecological Instruments |  
Percussion hammers | Pulse oximeters | Tuning forks |

Blood stasis products | Pulmonary pressure measuring devices |  
Dynamometers | Pressure infusion instruments | Veterinary instruments |

You can find detailed descriptions of the products in our  
catalog (Order no. 51231-50). Or log on to our website:  
[www.riester.de](http://www.riester.de).

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