



uni[®] / econom[®]

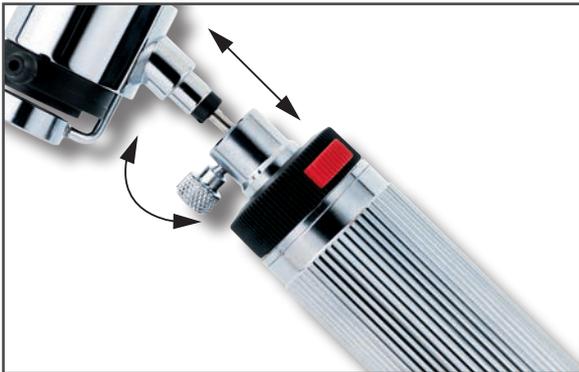
The **reliable classic** for **everyday use**.



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.



XL 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 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.



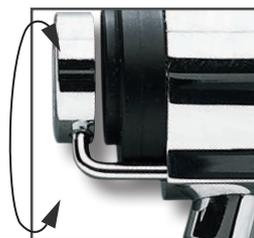
OTOSCOPE

- 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

vacuum 2.7 V
XL 2.5 V
XL 3.5 V

No. 10420
No. 10419
No. 10418



Simple to attach and rotatable 360°.

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.
- Focussing wheel with corrective lenses from 0 to +20 or 0 to -20 diopters.
- Aperture with large circle for examination for the fundus of the eye.
- Simple exchange of the lamp at the base of the instrument head.

ophthalmology

XL 2.5 V
XL 3.5 V

No. 10423
No. 10416

Corrective lenses:

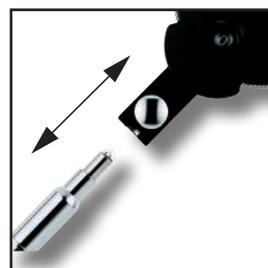
D+	0.5	1	1.5	2	3	4	5	6	8	10	12	15	20
D-		1		2	3	4	5	6	8	10		15	20

The corrective lenses from +20 to -20 dioptries guarantee a focused 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.



uni® / econom® 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	vacuum 2.7 V
	XL 2.5 V
	XL 3.5 V

No. 2010
No. 2010-201
No. 2015-202

uni® II May ophthalmoscope



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

Battery handle type C with rheostat	XL 2.5 V
	XL 3.5 V

No. 2020
No. 2025-202

uni® III otoscope, May ophthalmoscope



Battery handle type C with rheostat	vacuum 2.7 V / XL 2.5 V
	XL 2.5 V
	XL 3.5 V / 120 V

No. 2030
No. 2030-201
No. 2034-202

Accessories

Case	black
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No. 10428

uni® / econom® SETS

Riester econom® is a complete diagnostic set for ear, nose and throat treatment. A choice of two econom® sets is available: with expandable nasal speculum or with Ø 9 mm (0.35 in) nasal speculum.



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	vacuum 2.7 V / XL 2.5 V XL 2.5 V XL 3.5 V	No. 2050 No. 2050-201 No. 2061-202
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econom®, nasal speculum 9 mm

uni® I otoscope head, uni® II May 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	vacuum 2.7 V / XL 2.5 V XL 2.5 V XL 3.5 V	No. 2050-525 No. 2050-525-201 No. 2062-202
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Accessories

Case	black	No. 10450
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econom® components

- 1 Handle
- 2 Otoscope Head
- 3 Ophthalmoscope Head
- 4 Nasal speculum or Nasal specula 9 mm
- 5 Bent arm illuminator
- 6 2 Laryngeal mirrors
- 7 Tongue blade holder
- 8 Lamp
- 9 Case

uni® / econom®

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.
for two batteries type C with cover, without bore

No. 10425

for rechargeable **ri-accu**® NiMH battery with cover, without bore

No. 10429

Upper handle part with rheostat, chrome plated

No. 10426

Simple recharging in the **ri-charger**® charging base.



Batteries

Alkaline battery type C

1.5V

No. 10686

Rechargeable NiMH battery **ri-accu**®

2.5V

No. 10681

3.5V

No. 10682



Accessories

Battery handle cover

without bore

No. 10679

with bore

No. 11682



Plug-in handle with rheostat

including rechargeable NiMH battery **ri-accu**®

2.5 V / 230 V

No. 10430

2.5 V / 120 V

No. 10431

including rechargeable Li-Ion battery **ri-accu**®

3.5 V / 230 V

No. 10432

3.5 V / 120 V

No. 10433

Batteries

Rechargeable NiMH battery **ri-accu**®

2.5V

No. 10683

Rechargeable Li-Ion battery **ri-accu**®

3.5V

No. 10692



Combi-handles with Rheostat



- 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.

with rechargeable NiMH battery **ri-accu**[®]
for plug-in handle casing.

230 V
120 V

No. 10668
No. 10669

Batteries

Rechargeable NiMH battery **ri-accu**[®]

2.5V

No. 10683

Rechargeable NiMH battery **ri-accu**[®]

2.5V

No. 10681

Alkaline battery type C

1.5V

No. 10686



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!

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 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: charging in progress.
Green: charging completed.

ri-charger[®]

Complete, with wall mounting, reduction insert and cover for ear specula.

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



ri-charger[®]

230 V
120 V

No. 10700
No. 10701

uni® / econom®

ACCESSORIES



Cover glass for otoscope

No. 11504

- 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

No. 10448

- 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.
- Specula are optimally shaped for easy insertion into ear and nose.
- Supplied in a poly-bag.

	2 mm	1 pc.	No. 10460
	3 mm	1 pc.	No. 10461
	4 mm	1 pc.	No. 10462
	5 mm	1 pc.	No. 10463
Nasal specula	9 mm	1 pc.	No. 10464



Ball for pneumatic test

No. 10960

For all **Riester** otoscope

- For the diagnosis of disorders of the middle ear.
- The ear drum can be examined optimally for by producing pressure.
- No connector included because side-release buckle is integrated into otoscope.

uni® / econom®

ACCESSORIES



NASAL SPECULUM

No. 10440

- 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.

Bent arm illuminator	vacuum 2.7 V	No. 10443
	XL 2.5 V	No. 10442
	XL 3.5 V	No. 10441



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.

Laryngeal mirrors	1 pair	No. 10447
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TONGUE BLADE HOLDER

No. 10445

- 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.



uni® / econom® LAMPS

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.



2.7 V vacuum lamps

for otoscope and bent arm illuminator, pack of 6

No. 10421



illumination technology

XL 2.5 V xenon lamps



for otoscope and bent arm illuminator, pack of 6

No. 10590



for May ophthalmoscope, pack of 6

No. 10424

XL 3.5 V xenon lamps



for otoscope and bent arm illuminator, pack of 6

No. 10592



for May ophthalmoscope, pack of 6

No. 10593

Please visit **riester.de** for more information