



uni[®]/econom[®]

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

CONTENT

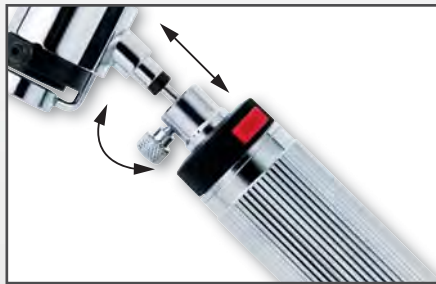
INTRODUCTION uni®/econom®	03
INSTRUMENTS FOR ENT	04
OTOSCOPES	04
Accessories	04
Cover glass, swivel lens, specula	04
Bulb for pneumatic test	05
NASAL SPECULUM	05
BENT ARM ILLUMINATOR	05
Accessories	05
Laryngeal mirrors	05
TONGUE BLADE HOLDER	06
OPHTHALMOLOGICAL INSTRUMENTS	06
MAY OPHTHALMOSCOPE	06
LAMPS	07
2.7 V vacuum lamps	07
XL 2.5 V xenon lamps	07
XL 3.5 V xenon lamps	07
POWER SOURCES	08
Handles	08
Charging base	10
SETS	10
	11
	12



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.



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.

uni®/econom®

INTRODUCTION

INSTRUMENTS FOR ENT

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

OTOSCOPE



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

- 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.



No. 11504



No. 10448

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.



No. 10460 2 mm



No. 10461 3 mm



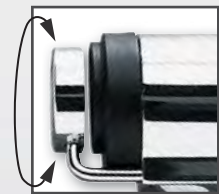
No. 10462 4 mm



No. 10463 5 mm



No. 10464 9 mm
(nasal speculum)



Simple to attach and rotatable 360°.



No. 10960

Ball for pneumatic test

- for all **Riester** otoscopes.



No. 10440

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.



No. 10443 vacuum 2.7 V
 No. 10442 XL 2.5 V
 No. 10441 XL 3.5 V

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.



No. 10447 1 pair

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.



No. 10445



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



No. 10423 XL 2.5 V
No. 10416 XL 3.5 V

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.



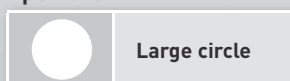
Effortless exchange of the lamp by means of simple push-fit mechanism at the base of the instrument head.

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 dioptres guarantee a focussed image even in the case of strong refractive anomalies.

Aperture



uni[®]/econom[®]

INSTRUMENTS FOR ENT / OPHTHALMOLOGICAL INSTRUMENTS

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.



No. 10421

2.7 V vacuum lamps

for otoscope and bent arm illuminator, pack of 6



No. 10590

XL 2.5 V xenon lamps

for otoscope and bent arm illuminator, pack of 6



No. 10424

for May ophthalmoscope, pack of 6



No. 10592

XL 3.5 V xenon lamps

for otoscope and bent arm illuminator, pack of 6



No. 10593

for May ophthalmoscope, pack of 6

* 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 with cover,
without bore

Accessories

Battery handle cover



uni[®]/**econom**[®]
POWER SOURCES



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

Plug-in handle with rheostat

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

No. 10683 2.5 V

Rechargeable NiMH battery **ri-accu**®



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

Plug-in handle with rheostat

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

No. 10692 3.5 V

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



No. 10668 230 V
 No. 10669 120 V

Combi-handles with Rheostat

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

- 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

Rechargeable NiMH battery **ri-accu**®



No. 10681 2.5 V

Rechargeable NiMH battery **ri-accu**®



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 is 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



No. 10700 230 V
No. 10701 120 V

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®/econom®
CHARGING BASE / SETS



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



uni®/econom®

SETS

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
No. 2050 vacuum 2.7 V / XL 2.5 V
No. 2050-201 XL 2.5 V



Plug-in handle type C with rheostat, including ri-accu[®] / ri-accu[®]L
No. 2051-200 vacuum 2.7 V / XL 2.5 V / 230 V
No. 2052-200 vacuum 2.7 V / XL 2.5 V / 120 V
No. 2051-201 XL 2.5 V / 230 V
No. 2052-201 XL 2.5 V / 120 V
No. 2051-202 XL 3.5 V / 230 V
No. 2052-202 XL 3.5 V / 120 V



Battery handle type C with rheostat, including ri-accu[®] and ri-charger[®]
No. 2053-200 vacuum 2.7 V / XL 2.5 V / 230 V
No. 2054-200 vacuum 2.7 V / XL 2.5 V / 120 V
No. 2053-201 XL 2.5 V / 230 V
No. 2054-201 XL 2.5 V / 120 V
No. 2053-202 XL 3.5 V / 230 V
No. 2054-202 XL 3.5 V / 120 V



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
No. 2050-525 vacuum 2.7 V / XL 2.5 V
No. 2050-525-201 XL 2.5 V



Plug-in handle type C with rheostat, including ri-accu[®]
No. 2051-525-200 vacuum 2.7 V / XL 2.5 V / 230 V
No. 2052-525-200 vacuum 2.7 V / XL 2.5 V / 120 V
No. 2051-525-201 XL 2.5 V / 230 V
No. 2052-525-201 XL 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



Battery handle type C with rheostat, including ri-accu[®] and ri-charger[®]
No. 2053-525-200 vacuum 2.7 V / XL 2.5 V / 230 V
No. 2054-525-200 vacuum 2.7 V / XL 2.5 V / 120 V
No. 2053-525-201 XL 2.5 V / 230 V
No. 2054-525-201 XL 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



MERCOFRAMES OPTICAL CORP

5555 Nw 74 Ave. Miami. Fl. 33166

www.mercoframes.net

ale@mercoframes.net