



# ri-former®

modular diagnostic station

# ri-former® THE MODULAR DIAGNOSTIC SYSTEM



**ri-former®LED** – the modular diagnostic system by **Riester** – optimal flexibility for hospitals and medical practices. The diagnostic station modules can be combined individually to suit the requirements and location. Thanks to its innovative design it is variably extendable to the right and the left. The basic **ri-former®** module is available with one handle and can be supplemented with up to 4 more handle modules. The advantages of the **ri-former®** system can be seen in its versatile combination of options. With its centralized electrical power supply, the **ri-former®** offers the reliability required for the hectic day-to-day atmosphere of hospitals and medical practices. This guarantees cost savings and eliminates the need for batteries and rechargeable batteries, which is good for the environment.

**Now also available with mobile stand or as an anesthesia model for fixation on rail systems.**

- **Blood pressure options**

- Fully automated clinical-grade blood pressure monitor (**ri-medic**)
- Clock aneroid (**big ben**®)

- **Thermometry options**

- Predictive probe thermometer (**RPT-100**)
- Infra-red tympanic thermometer (**ri-thermo**®N)

- LED illumination for otoscopes and 3.5 V xenon illumination for ophthalmological instruments supply daylight conditions.
- The handles automatically switch on or off when removing or replacing them in the handle unit; this saves energy and increases the service life of the lamps.
- Non-slip, ergonomically designed handles with **rheotronic**®: the handle enables continuously adjustable brightness as well as manual switching on and off.
- Developed and manufactured in Germany.



**ri-former**

PRODUCT CHARACTERISTICS



**Next Generation LED Illumination - Performance for life.**

**Available in ri-scope®L instruments and ri-former® modular wall stations, except retinoscopes.**

**LED lighting – bright light with a nearly unlimited lifetime!**

- Maintenance-free High-Performance LED technology - low running cost.
- CRI > 90, colour temperature 4.000 K - excellent colour rendering close to natural daylight conditions for more efficient diagnosis.
- LED's aligned with optical systems in instrument heads - homogenous light distribution across the field of view without reflections or shadows.
- Designed for optimal heat dissipation - longer lifetime and brilliant illumination over the entire lifespan of the LED (100.000 hrs).



**ri-former**

PRODUCT CHARACTERISTICS

# ri-former®

## DIAGNOSTIC STATION WITH MOBILE BASE OR AS RAIL DESIGN

### Order numbers

Diagnostic stations with sturdy mobile base or as rail design, 2 handles, specula dispenser and optional **big ben**® BPM. Available for 230 V or 120 V power supply including a wide range of plugs.

#### ri-former®

with mobile base  
and **big ben**®

3,5V/230V No.: 3652-600

3,5V/120V No.: 3653-600

- 2 handles
- **ri-spec**® ear specula dispenser
- without clock
- mobile base made of fibreglass and chrom plated pole (height adjustable 105-130cm / 41.3-51.2 in), easy to move due to low friction castors, antistatic, 2 castors can be locked, diameter 54 cm / 21,3 in.
- **big ben**® BPM mobile base design including latex free adult velcro cuff and basket
- **big ben**® rail design for separate rail attachment, see **big ben**® leaflet page 3.

#### ri-former®

with mobile base

3,5V/230V No.: 3652-500

3,5V/120V No.: 3653-500

#### ri-former®

for rail

w/o universal clamp

3,5V/230V No.: 3652-400

3,5V/120V No.: 3653-400

#### Universal clamp

No. 10384



# ri-former

DIAGNOSTIC STATION WITH MOBILE BASE OR AS RAIL DESIGN

# ri-former® DIAGNOSTIC STATION WALL DESIGN

## Order numbers

Wall station with 1 or 2 handles. Further handles may be added by extension modules, see page 6/7.

**ri-former® 1 handle**  
with clock  
3,5V/230V No.: 3650  
3,5V/120V No.: 3651

without clock  
3,5V/230V No.: 3652  
3,5V/120V No.: 3653

**ri-former® 2 handles**  
with clock  
3,5V/230V No.: 3650-300  
3,5V/120V No.: 3651-300

without clock  
3,5V/230V No.: 3652-300  
3,5V/120V No.: 3653-300

- Without instrument heads.
- Complete with wall mounting plate, plugs, screws, and assembly plan.



**ri-former**

DIAGNOSTIC STATION WALL DESIGN

# ri-former®

## EXTENSION MODULES

### Order numbers

Extension module,  
1 handle  
No.: 300

#### Extension module, 1 handle

- Automatic switch-on/off of handles when removing or replacing them in the handle unit.
- Ergonomic and non-slip.
- **rheotronic®**: infinitely variable regulation of brightness as well as manual switching on/off possible on the handle.
- Spiral cord expandable up to 3 m / 118 in .
- For expanding the **ri-former®** base module, up to 4 handle modules possible.
- Complete with wall mounting plate, plugs, screws, and assembly plan.



Extension module  
**ri-medic**  
No.: 1784



#### Extension module ri-medic

- One touch automated and manual blood pressure monitor.
- World class, clinical grade technology for fast and reliable readings with full range of blood pressure cuff sizes.
- BP independently validated to British Hypertension Society, ESH and AAMI SP10 specifications for adults and children (from 3 years onwards).
- Manual SphygMode with auto-deflate provides consistent patient BP measurement and allows clinicians to verify automated readings without removing the cuff.
- Designed for durability, comes with a 2-year warranty.
- Fast readings, typically 30 – 40 seconds.
- Storage basket
- Optional: Bluetooth® wireless EMR/HER interface with management software (only 510k listed).



Extension module  
**big ben®**

Bandage cuff adult  
No.: 3655-103  
Hook cuff adult  
No.: 3655-106  
Velcro cuff adult  
No.: 3655-109  
Velcro cuff large adult  
No.: 3655-123  
Velcro cuff children  
No.: 3655-130

#### Extension module big ben®

- Generously dimensioned scale with 145.5 mm / 5.73 in long sides and high-contrast scale layout guarantees optimum readability.
- With extra sturdy wall mounting made of glass-fibre reinforced plastic and extraordinary sturdy casing.
- Maximum error tolerance: +/- 3 mm Hg.
- Also available as latex-free version (when ordering please indicate LF for "latex-free" before the article number).
- Supplied with spacious basket for storage of tubes and cuffs, as well as wall mounting plate, plugs and screws.
- Individual basket assembly possible thanks to expandable spiral cord.



## Order numbers

Extension module,  
**RPT-100**  
oral/axillary  
No.: 3658  
rectal  
No. 3658-01

### Extension module **RPT-100 clinical probe thermometer**

- Comes with with oral/axillary (blue) or rectal (red) probe
- Predictive temperature module (Covidien Filac 3000 technology)
- Oral Quick Mode: +/- 0.3°C / 0.54°F, 3-5 seconds
- Oral Standard Mode: +/- 0.1°C / 0.18°F, 6-10 seconds
- Axillary Accuracy: +/- 0.1°C / 0.18°F, 8-12 seconds
- Rectal Accuracy: +/- 0.1°C / 0.18°F, 10-14 seconds
- Direct Mode: +/- 0.1°C / 0.18°F, 60-120 seconds
- Measurement range: 30°C to 43°C (86°F to 109°F)
- Cold Mode for hypothermic patients.
- Icon-based user interface on backlit LCD display.
- Interchangeable isolation chambers with matching probes.
- „Auto-On“, „Auto-off“ feature.
- Last temperature recall.
- Utilizes packs of 20 disposable probe covers.



Infrared thermometer  
**ri-thermo®N**  
without anti-theft security  
No.: 3656  
with anti-theft security  
No.: 3656-301

### Infrared thermometer **ri-thermo®N**

- Precise measurement of the body temperature in the ear. Clinical validation.
- Measurement takes approx. 1-2 seconds.
- Digital display for optimum readability of the measurement values in °C or in °F.
- Memory function for 12 measurements.
- Including dispenser for probe covers
- One CR2032 Battery for approx. 1,000 measurements. Supplied with 40 probe covers in attractive sales packaging.



**ri-spec**  
ear specula dispenser  
No.: 3654

### **ri-spec ear specula dispenser**

- Specula dispenser with 5 tubes for up to 5 specula sizes.
- Hygienic and practical solution, dispenses a new speculum for each examination.
- Simple to clean and disinfect.
- Easy to refill and can be closed with a cover.
- Filling level of specula tubes can be seen.
- Suitable for all Riester specula – except uni®/econom® with metal attachment.
- Can also be used independent of the diagnostic station.
- Complete with plugs and screws.



Packed in sleeves of 25 pcs.  
1 box of 40 sleeves = 1000 pcs.

#### **2,5 mm specula**

No.: 14065-531

Packed in sleeves of 25 pcs.  
1 box of 40 sleeves = 1000 pcs.

#### **4 mm specula**

No.: 14065-534

### **Disposable ear-specula**

- Specula for L1/L2 Otoscope.
- Made of black plastic.
- For single use.
- An especially hygienic option for the prevention of cross-contamination.
- Other sizes and specula for L3 otoscope on demand.



**ri-former**

EXTENSION MODULES

## ri-former® INSTRUMENT HEADS

	without anti-theft security			with anti-theft security		
	<b>ri-scope® L F.O. otoscope</b>					
	• L1	3,5 V	XL	No.:10563	XL	No.:10563-301
	• L2	3,5 V	XL	No.:10580	XL	No.:10580-301
	• L2	3,5 V	LED	No.:10565	LED	No.:10565-301
	• L3	3,5 V	XL	No.:10581	XL	No.:10581-301
	<b>ri-scope® human operation otoscope</b> without specula					
	•	3,5 V	XL	No.:10561	XL	No.:10561-301
	<b>ri-scope® veterinary operation otoscope</b> without specula					
	•	3,5 V	XL	No.:10542	XL	No.:10542-301
	<b>ri-scope® L ophthalmoscope</b>					
	• L1	3,5 V	XL	No.:10569	XL	No.:10569-301
	• L2	3,5 V	XL	No.:10571	XL	No.:10571-301
	• L2	3,5 V	LED	No.:10571-203	LED	No.:10595-301
	• L3	3,5 V	XL	No.:10573	XL	No.:10573-301
	<b>ri-scope® L retinoscope (skiascope)</b>					
	• with slit-light	3,5 V	XL	No.:10544	XL	No.:10544-301
	• with spot-light	3,5 V	XL	No.:10546	XL	No.:10546-301
	<b>ri-derma® dermatoscope</b>					
	•	3,5 V	XL	No.:10551	XL	No.:10551-301
	•	3,5 V	LED	No.:10577	LED	No.:10577-301
	<b>ri-scope® L F.O. tongue blade holder</b>					
	•	3,5 V	XL	No.:10535	XL	No.:10535-301
	•	3,5 V	LED	No.:10574	LED	No.:10574-301
	<b>ri-scope® L F.O. nasal speculum</b>					
	•	3,5 V	XL	No.:10537	XL	No.:10537-301
	•	3,5 V	LED	No.:10575	LED	No.:10575-301
	<b>ri-scope® L F.O. bent arm illuminator</b>					
	•	3,5 V	XL	No.:10539	XL	No.:10539-301
	•	3,5 V	LED	No.:10576	LED	No.:10576-301