

NOW WITH  
**NEW**  
WARRANTY!

# Stethoscopes

Designed for performance.  
Built to last.



Riester's comprehensive **stethoscope** range is engineered to provide high-resolution acoustic performance across all clinical environments, from specialised cardiology to adult, paediatric, and neonatal patient assessments.

# Independent Acoustic Testing

**Riester** stethoscopes have been evaluated through independent acoustic analysis using dBFS (decibels relative to full scale) measurement techniques. This assessment provides an objective comparison of heart and lung sound transmission between **Riester** stethoscopes and several leading brands.

The analysis demonstrates clear and consistent acoustic performance in selected **Riester** models, with measurable data indicating strong performance when assessed alongside comparable stethoscopes from major manufacturers.

Access the full testing report—including methodology, recordings, and comparative visualisations—by scanning the QR code below.



**Stethoscope Acoustic Testing Report**



The percentage improvements in performance of Riester stethoscopes over the competitor's stethoscopes are as follows:



Heart Sound Improvement:

**19.83%**



Lung Sound Improvement:

**14.80%**

# Riester Stethoscopes 2.0

With 75 years of experience in developing and manufacturing stethoscopes, **Riester** combines engineering expertise with high quality standards to deliver reliable instruments for clinical auscultation.

The newly developed **cardiophon 2.0** and **duplex® 2.0** ranges reflect this commitment to quality, offering improved acoustic performance and extended durability. **Riester** now provides a 10-year warranty across both series.

## cardiophon 2.0

### Cardiology Stethoscope

The **cardiophon 2.0** has been specially designed for cardiology, with a completely re-engineered chest piece, sound transmission system, and binaural. Its acoustic design supports clear auscultation in the frequency range between 200 Hz and 500 Hz, which is particularly relevant for detecting key heart sounds. The **cardiophon 2.0** is suitable for the precise auscultation of both adults and children.

- › Precision acoustic system designed for consistent auscultation across all clinical frequency ranges
- › Stainless steel double chest piece with high-quality finish
- › Chest piece: Diaphragm – Ø 46 mm [1.81 in], Bell – Ø 34 mm [1.34 in]
- › Anatomically shaped binaural with multiple internal springs for optimal contact pressure
- › Extra-soft, pivotable ear tips for a comfortable seal and improved sound isolation
- › Y-tube with separate sound-conduction pathways for each ear
- › Overall length: 71 cm (27.95 in)
- › Weight: 204 g (0.45 lb)
- › Latex-free
- › **Colour options:** black, blue, burgundy

The **cardiophon 2.0** is supplied with two pairs of replacement ear tips, a replacement membrane for each side, and a name plate.

|                |   |                |   |
|----------------|---|----------------|---|
| <b>4240-01</b> | <b>cardiophon 2.0</b> , stainless steel, black    | <b>4240-03</b> | <b>cardiophon 2.0</b> , stainless steel, blue |
| <b>4240-04</b> | <b>cardiophon 2.0</b> , stainless steel, burgundy |                |   |



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# duplex® 2.0

## Classic Stethoscopes

The duplex® 2.0 range has been redesigned to support reliable and consistent acoustic performance for everyday clinical examinations. Several key improvements have been introduced across the chest piece, membrane design, and binaural to meet the demands of routine diagnostic practice. The range is available in three sizes covering adult, paediatric, and neonatal assessment.

- › Precision double chest piece with improved membrane support
- › Stainless steel or aluminium double chest piece options
- › Anatomically shaped binaural with multiple internal springs for optimised contact pressure
- › Extra-soft, replaceable, and pivotable ear tips for comfort and an effective seal
- › Chest piece: Diaphragm – Ø 46 mm [1.81 in], Bell – Ø 34 mm [1.34 in]
- › Overall length: 74 cm [29.13 in]
- › Weight: Stainless steel – 151 g [0.33 lb], Aluminium – 97 g [0.21 lb]
- › Latex-free
- › **Options:**
  - Stainless steel tubing colours: black, white, blue, red, green
  - Aluminium tubing colours: black, white, blue, red, green, black edition

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WARRANTY!



Stainless steel



Aluminium

The duplex® 2.0 is supplied with one pair of replacement ear tips, a replacement membrane and a name plate.

|         |                                     |         |                                       |
|---------|-------------------------------------|---------|---------------------------------------|
| 4210-01 | duplex® 2.0, stainless steel, black | 4200-01 | duplex® 2.0, aluminium, black         |
| 4210-02 | duplex® 2.0, stainless steel, white | 4200-02 | duplex® 2.0, aluminium, white         |
| 4210-03 | duplex® 2.0, stainless steel, blue  | 4200-03 | duplex® 2.0, aluminium, blue          |
| 4210-04 | duplex® 2.0, stainless steel, red   | 4200-04 | duplex® 2.0, aluminium, red           |
| 4210-05 | duplex® 2.0, stainless steel, green | 4200-05 | duplex® 2.0, aluminium, green         |
|         |                                     | 4201-01 | duplex® 2.0, aluminium, black edition |

## duplex® 2.0 baby

The duplex® 2.0 baby has been developed specifically for paediatric auscultation. Its stainless steel double chest piece and precision-finished components support clear sound transmission for the assessment of babies and children.

- › Precision double chest piece made of stainless steel
- › Chest piece: Diaphragm – Ø 34 mm [1.34 in], Bell – Ø 26 mm [1.02 in]
- › Overall length: 69 cm [27.17 in]
- › Weight: 124 g [0.27 lb]
- › Latex-free
- › **Colour options:** black, white, red, green

The duplex® 2.0 baby is supplied with one pair of replacement ear tips, a replacement membrane and a name plate.

|  |  |
|--|--|
| 4220-01 duplex® 2.0 baby, stainless steel, black | 4220-02 duplex® 2.0 baby, stainless steel, white |
| 4220-04 duplex® 2.0 baby, stainless steel, red   | 4220-05 duplex® 2.0 baby, stainless steel, green |



## duplex® 2.0 neonatal

The duplex® 2.0 neonatal features an extra-fine stainless steel double chest piece designed for the auscultation of newborns and babies. Its compact construction and precision-engineered components support clear sound transmission on the smallest thoracic surfaces.

- › Extra-fine precision double chest piece made of stainless steel
- › Chest piece: Diaphragm – Ø 26 mm [1.02 in], Bell – Ø 20 mm [0.79 in]
- › Overall length: 69 cm [27.17 in]
- › Weight: 105 g [0.23 lb]
- › Latex-free
- › **Colour options:** black, white, red, green

The duplex® 2.0 neonatal is supplied with one pair of replacement ear tips, a replacement membrane and a name plate.

|  |  |
|--|--|
| 4230-01 duplex® 2.0 neonatal, stainless steel, black | 4230-02 duplex® 2.0 neonatal, stainless steel, white |
| 4230-04 duplex® 2.0 neonatal, stainless steel, red   | 4230-05 duplex® 2.0 neonatal, stainless steel, green |



duplex® 2.0

VS



duplex® (legacy)

- › duplex® 2.0 uses an integrated spring within the binaural, whereas the legacy duplex® uses an external spring design
- › duplex® 2.0 is equipped with pivotable ear tips, while the legacy duplex® has fixed ear tips
- › duplex® 2.0 includes a clear side indicator to show whether the membrane or bell is active
- › The aluminium duplex® 2.0 model is lighter at 97 g, compared with 104 g for the legacy duplex®

We continue to offer the legacy duplex® stethoscope because:

- › It remains an affordable alternative to duplex® 2.0
- › It is suitable for tender specifications or markets where legacy models are required

## duplex®

The **duplex®** is a traditional double-headed stethoscope designed for routine clinical examinations. It is available with either a chrome-plated brass chest piece or a lightweight aluminium option. The design supports clear acoustic transmission across standard clinical frequency ranges and is suitable for general practice, outpatient settings, and tenders requiring legacy specifications.

- › Double-headed chest piece in chrome-plated brass or lightweight aluminium
- › Chest piece: Diaphragm – Ø 45 mm [1.77 in], Bell – Ø 34 mm [1.34 in]
- › Overall length: 77 cm [30.32 in]
- › Latex-free
- › **Colour options:** black, slate grey, blue

The **duplex®** is supplied with a pair of replacement ear tips and a replacement membrane.

|         |                                |         |                                    |
|---------|--------------------------------|---------|------------------------------------|
| 4001-01 | duplex®, aluminium, black      | 4011-01 | duplex®, chrome plated, black      |
| 4001-02 | duplex®, aluminium, slate grey | 4011-02 | duplex®, chrome plated, slate grey |
| 4031-03 | duplex®, aluminium, blue       | 4011-03 | duplex®, chrome plated, blue       |

NOW WITH  
**5 YEAR  
WARRANTY!**



## duplex® baby

The **duplex® baby** is a lightweight, compact model designed for the auscultation of babies and young children. The aluminium chest piece and reduced bell size support focused acoustic assessment on small thoracic areas.

- › Lightweight aluminium chest piece
- › Chest piece: Diaphragm – Ø 34 mm [1.34 in], Bell – Ø 26 mm [1.02 in]
- › Overall length: 76.5 cm [30.12 in]
- › Latex-free

The **duplex® baby** is supplied with a pair of replacement ear tips and a replacement membrane.



## duplex® neonatal

The **duplex® neonatal** features an extra-fine stainless steel double chest piece designed for auscultation of newborns and premature infants. Its compact dimensions and precision-finished components support clear sound transmission on very small thoracic surfaces.

- › Extra-fine precision double chest piece made of stainless steel
- › Chest piece: Diaphragm – Ø 26 mm [1.02 in], Bell – Ø 20 mm [0.79 in]
- › Total length: 69 cm [27.17 in]
- › Latex-free

The **duplex® neonatal** is supplied with one pair of replacement ear tips, a replacement membrane and a name plate.



## duplex® Teaching Stethoscope

The **duplex® Teaching Stethoscope** is designed specifically for training and supervised clinical practice. It features a stainless steel double chest piece and a twin binaural system, enabling two users to auscultate simultaneously during instruction or demonstration.

- › Stainless steel double chest piece (same design as **duplex® 2.0** adult)
- › Chest piece: Diaphragm – Ø 46 mm [1.81 in], Bell – Ø 34 mm [1.34 in]
- › Chromium-plated binaural with integrated spring
- › Twin binaural design for simultaneous listening
- › Latex-free



|         |   |      |                                   |
|---------|---|------|-----------------------------------|
| 4041    | duplex® baby, aluminium, blue                             | 4051 | duplex® neonatal, aluminium, blue |
| 4002-02 | duplex® Teaching Stethoscope, stainless steel, slate-grey |      |                                   |

## Digital Stethoscope

The **ri-sonic® electronic Stethoscopes** provide seamless analogue and digital integration, giving healthcare professionals the flexibility to capture and transmit body sounds in a variety of clinical settings. It converts acoustic signals from the patient into clear electronic output for listening, recording, or further analysis using compatible third party software.

Manufactured by **Riester**, the **ri-sonic®** combines precision engineering, durable construction, and dependable German quality to support everyday professional use.



Interested in the **ri-sonic®** electronic stethoscope or exploring partnerships in digital auscultation?

Scan the QR code to learn more.



## ri-sonic® Product Family

Available configurations include:

- 3.5 mm analogue jack – for direct acoustic connection
- USB-A and USB-C digital variants – for PC and tablet connectivity
- iOS adaptor option – for compatible Apple devices
- Cable length options – 1.4 m, 1.8 m, or 4 m, plus coiled versions for mobile applications

(All variants share the same high-sensitivity sensor and A/D converter design as detailed in the IFU.)



### PCP-1 (3.5 mm Audio Jack TRS)

An electronic stethoscope with an analogue audio output via a 3.5 mm microphone connection. Compatible with PCs, tablets, or Android devices when used with compatible third-party audio or clinical software.

### PCP-USB (USB-A)

A USB-connected electronic stethoscope featuring a chestpiece with an integrated analogue-to-digital (A/D) converter and USB interface for direct connection to compatible computers or mobile devices. Operation requires compatible third-party software. iOS connectivity may require a suitable USB-A to USB-C or USB-A to Lightning adapter.

### PCP-USB (USB-C)

A USB-C electronic stethoscope featuring a chestpiece with an integrated analogue-to-digital (A/D) converter and USB interface for direct connection to compatible USB-C-enabled computers and mobile devices. Operation requires compatible third-party software.

### PCP-USB (USB-A with Coiled Cable)

A USB-A electronic stethoscope supplied with a coiled cable to support flexible positioning during use. The chestpiece incorporates an integrated analogue-to-digital (A/D) converter and USB interface for direct connection to compatible computers or mobile devices. Operation requires compatible third-party software. iOS connectivity may require a suitable USB-A to USB-C or USB-A to Lightning adapter.

|             |   |
|-------------|---|
| <b>4300</b> | <b>ri-sonic®</b> PCP-USB, USB-A connector; 1.8 m [70.87 in] cable in plain box                                |
| <b>4301</b> | <b>ri-sonic®</b> PCP-USB, USB-A connector; 1.8 m [70.87 in] cable in retail box                               |
| <b>4304</b> | <b>ri-sonic®</b> PCP-USB, USB-A connector; 4 m [157.48 in] cable in plain box                                 |
| <b>4305</b> | <b>ri-sonic®</b> PCP-USB, USB-A connector; 4 m [157.48 in] cable in retail box                                |
| <b>4306</b> | <b>ri-sonic®</b> PCP-USB, USB-A connector; 0.53 m - 2.2 m [20.87 in - 86.61 in] coiled cable in plain box     |
| <b>4307</b> | <b>ri-sonic®</b> PCP-USB, USB-C connector; 1.8 m [70.87 in] cable in retail box                               |
| <b>4309</b> | <b>ri-sonic®</b> PCP-USB, USB-A connector; 1.8 m [70.87 in] cable with iOS lightning adapter in retail box    |
| <b>4310</b> | <b>ri-sonic®</b> PCP-1, TRS audio connector; 1.4 m [55.12 in] cable in plain box                              |
| <b>4311</b> | <b>ri-sonic®</b> PCP-1, TRS audio connector; 1.4 m [55.12 in] cable in retail box                             |
| <b>4313</b> | <b>ri-sonic®</b> PCP-1, TRRS audio connector; 1.4 m [55.12 in] cable in retail box                            |
| <b>4315</b> | <b>ri-sonic®</b> PCP-1, TRS audio connector; 1.4 m [55.12 in] cable with TRS-to-USB-C adapter in retail box   |
| <b>4317</b> | <b>ri-sonic®</b> PCP-1, TRRS audio connector; 1.4 m [55.12 in] cable with TRRS-to-USB-C adapter in retail box |

# REPLACEMENT PARTS AND ACCESSORIES

## Binaural (ear tubes + ear tips) with Y-tubing, latex-free

|                 |  |
|-----------------|--|
| <b>13216</b>    | Binaural with burgundy Y-tubing (integrated spring, twin-channel tube) – for <b>cardiophon 2.0</b> |
| <b>13220</b>    | Binaural with black Y-tubing (integrated spring, twin-channel tube) – for <b>cardiophon 2.0</b>    |
| <b>13222</b>    | Binaural with blue Y-tubing (integrated spring, twin-channel tube) – for <b>cardiophon 2.0</b>     |
| <b>13223</b>    | Binaural with black Y-tubing – for <b>duplex® 2.0, duplex® 2.0 baby, duplex® 2.0 neonatal</b>      |
| <b>13224</b>    | Binaural with white Y-tubing – for <b>duplex® 2.0, duplex® 2.0 baby, duplex® 2.0 neonatal</b>      |
| <b>13225</b>    | Binaural with blue Y-tubing – for <b>duplex® 2.0</b>   |
| <b>13226</b>    | Binaural with red Y-tubing – for <b>duplex® 2.0, duplex® 2.0 baby, duplex® 2.0 neonatal</b>        |
| <b>13227</b>    | Binaural with green Y-tubing – for <b>duplex® 2.0, duplex® 2.0 baby, duplex® 2.0 neonatal</b>      |
| <b>13228</b>    | Black binaural with black Y-tubing – for <b>duplex® 2.0 black edition</b>                          |
| <b>11065-01</b> | Binaural with black Y-tubing – for <b>duplex®</b>  |
| <b>11065-02</b> | Binaural with slate grey Y-tubing – for <b>duplex®, duplex® Teaching Stethoscope</b>               |
| <b>11060-03</b> | Binaural with blue Y-tubing – for <b>duplex®, duplex® baby, duplex® neonatal</b>                   |

## Binaural (ear tubes + ear tips)

|              |   |
|--------------|---|
| <b>11080</b> | Binaural – for <b>duplex®, duplex® baby, duplex® neonatal</b> |
|--------------|---|

## Chest pieces

|              |  |
|--------------|--|
| <b>13229</b> | Double-head chestpiece, stainless steel – for <b>cardiophon 2.0</b>                            |
| <b>13230</b> | Double-head chestpiece, aluminium – for <b>duplex® 2.0</b>                                     |
| <b>13231</b> | Double-head chestpiece, stainless steel – for <b>duplex® 2.0, duplex® Teaching Stethoscope</b> |
| <b>13232</b> | Black double-head chestpiece, aluminium – for <b>duplex® 2.0 black edition</b>                 |
| <b>13233</b> | Double-head chestpiece, stainless steel – for <b>duplex® 2.0 baby</b>                          |
| <b>13234</b> | Double-head chestpiece, stainless steel – for <b>duplex® 2.0 neonatal</b>                      |
| <b>11008</b> | Double-head chestpiece, aluminium – for <b>duplex®</b>   |
| <b>11010</b> | Double-head chestpiece, chrome plated – for <b>duplex®</b>                                     |
| <b>11015</b> | Double-head chestpiece, aluminium – for <b>duplex® baby</b>                                    |
| <b>11018</b> | Double-head chestpiece, aluminium – for <b>duplex® neonatal</b>                                |

## Ear tips (pack of 10 pcs.)

|              |  |
|--------------|--|
| <b>11139</b> | Grey soft ear tips – for <b>duplex®, duplex® baby, duplex® neonatal, duplex® Teaching Stethoscope</b>  |
| <b>11110</b> | White hard ear tips – for <b>duplex®, duplex® baby, duplex® neonatal, duplex® Teaching Stethoscope</b> |
| <b>13235</b> | Black soft ear tips – for <b>cardiophon 2.0, duplex® 2.0, duplex® 2.0 baby, duplex® 2.0 neonatal</b>   |

## Membranes, printed (pack of 10 pcs.)

|              |   |
|--------------|---|
| <b>11042</b> | Membrane Ø 45 mm [1.77 in] – for <b>duplex®</b>   |
| <b>11052</b> | Membrane Ø 34 mm [1.34 in] – for <b>duplex® baby</b>  |
| <b>13236</b> | Membrane Ø 44 mm [1.73 in] – for <b>cardiophon 2.0, duplex® 2.0, duplex® Teaching Stethoscope</b> |
| <b>13237</b> | Membrane Ø 32 mm [1.26 in] with hole – for <b>cardiophon 2.0</b>                                  |
| <b>11051</b> | Membrane Ø 26 mm [1.02 in] – for <b>duplex® neonatal</b>  |
| <b>13238</b> | Membrane Ø 32 mm [1.26 in] – for <b>duplex® 2.0 baby</b>  |
| <b>13239</b> | Membrane Ø 24 mm [0.94 in] – for <b>duplex® 2.0 neonatal</b>                                      |

## Non-chill rims

|              |   |
|--------------|---|
| <b>13240</b> | Non-chill rim Ø 52 mm [2.05 in] – for <b>cardiophon 2.0, duplex® 2.0, duplex® Teaching Stethoscope</b>              |
| <b>13241</b> | Non-chill rim Ø 38 mm [1.50 in] – for <b>cardiophon 2.0, duplex® 2.0, duplex® Teaching Stethoscope</b>              |
| <b>11140</b> | Non-chill rim Ø 48 mm [1.89 in] – for <b>duplex®</b>  |
| <b>11141</b> | Non-chill rim Ø 36 mm [1.42 in] – for <b>duplex®, duplex® 2.0 baby, duplex® baby</b>                                |
| <b>11143</b> | Non-chill rim Ø 28 mm [1.10 in] – for <b>duplex® 2.0 baby, duplex® 2.0 neonatal, duplex® baby, duplex® neonatal</b> |
| <b>11144</b> | Non-chill rim Ø 22 mm [0.87 in] – for <b>duplex® 2.0 neonatal, duplex® neonatal</b>                                 |

## Name plate

|              |                              |
|--------------|------------------------------|
| <b>11147</b> | Name plates, pack of 10 pcs. |
|--------------|------------------------------|

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