



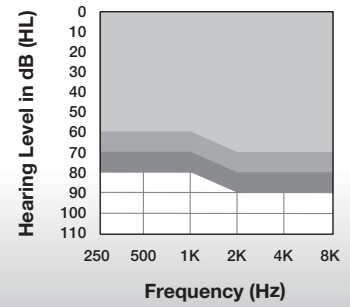
# AudioSync | Technical Data

## RIC 312

### Receiver-In-Canal

#### Fitting Range

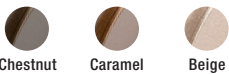
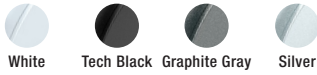
- L
- M
- P



Aris AI 24 | 20 | 16

#### Color Guide

##### Standard Colors



#### Patient Features

- IP Rating: 68
- Tinnitus Technology
- Wireless Connectivity
- CROS System
- Dual Radio (2.4 GHz + NFMI)

#### Aris AI Technology

- Personal health monitoring technology with embedded sensors and artificial intelligence
- Compatible with StarLink 2.0 accessories and StarLink Edge accessories

|                                                                  | L                               | M                               | P                               | Matrices: L, M, P<br>Battery Size: 312 |
|------------------------------------------------------------------|---------------------------------|---------------------------------|---------------------------------|----------------------------------------|
| <b>Measurement</b>                                               | <b>ANSI/IEC<br/>2cc Coupler</b> | <b>ANSI/IEC<br/>2cc Coupler</b> | <b>ANSI/IEC<br/>2cc Coupler</b> |                                        |
| Peak OSPL90 (dB SPL)                                             | 107                             | 117                             | 120                             |                                        |
| HFA OSPL90 (dB SPL)                                              | 101                             | 113                             | 116                             |                                        |
| Peak Gain (dB)                                                   | 43                              | 49                              | 60                              |                                        |
| HFA Full-On Gain (dB)                                            | 36                              | 47                              | 56                              |                                        |
| <b>Frequency Range (Hz)</b>                                      | <100-9400                       | <100-9400                       | <100-9400                       |                                        |
| HFA Frequencies (kHz)                                            | 1.0, 1.6, 2.5                   | N/A                             | 1.0, 1.6, 2.5                   |                                        |
| Reference Test Gain (dB)                                         | 24                              | 36                              | 39                              |                                        |
| Equivalent Input Noise (dB SPL)<br><i>Expansion On (Default)</i> | 15                              | 15                              | 15                              |                                        |
| Equivalent Input Noise (dB SPL)<br><i>Expansion Off</i>          | 24                              | 24                              | 24                              |                                        |
| <b>Harmonic Distortion</b>                                       |                                 |                                 |                                 |                                        |
| 500 Hz (%)                                                       | <3                              | <3                              | <3                              |                                        |
| 800 Hz (%)                                                       | <3                              | <3                              | <3                              |                                        |
| 1600 Hz (%)                                                      | <3                              | <3                              | <3                              |                                        |
| <b>Induction Coil Sensitivity</b>                                |                                 |                                 |                                 |                                        |
| HFA SPLITS (ANSI) (dB SPL)                                       | N/A                             | N/A                             | N/A                             |                                        |
| MASL (IEC) (dB SPL)                                              | N/A                             | N/A                             | N/A                             |                                        |
| <b>Estimated Battery Life for<br/>16-Hour Day</b>                |                                 |                                 |                                 |                                        |
| Without streaming (days)                                         | Up to 6                         | Up to 6                         | Up to 6                         |                                        |
| With streaming (days)                                            | Up to 5                         | Up to 5                         | Up to 5                         |                                        |
| Battery Current (mA)                                             | 1.5                             | 1.6                             | 1.6                             |                                        |
| <b>Tinnitus Therapy Stimulus</b>                                 |                                 |                                 |                                 |                                        |
| Max RMS Output<br>(dB SPL)                                       | 87                              | 87                              | 87                              |                                        |
| Weighted RMS Output Level<br>(dB SPL)                            | 87                              | 87                              | 87                              |                                        |
| Max 1/3 Octave Output<br>(dB SPL)                                | 87                              | 87                              | 87                              |                                        |

**L**

**M**

**P**



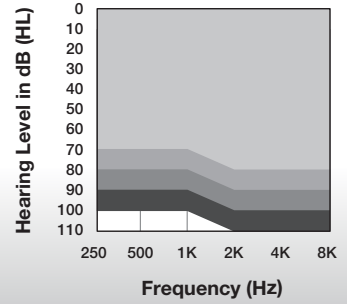
# AudioSync | Technical Data

## RIC 312 CUSTOM Cased

### Receiver-In-Canal

#### Fitting Range

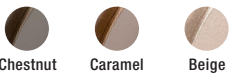
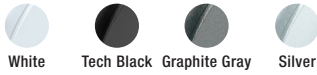
- L
- M
- P
- UP



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#### Aris AI Technology

- Personal health monitoring technology with embedded sensors and artificial intelligence
- Compatible with StarLink 2.0 accessories and StarLink Edge accessories

|                                                           | L                       | M                       | P                       | UP                      | Matrices: L, M, P, UP<br>Battery Size: 312 |
|-----------------------------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------------------------|
| Measurement                                               | ANSI/IEC<br>2cc Coupler | ANSI/IEC<br>2cc Coupler | ANSI/IEC<br>2cc Coupler | ANSI/IEC<br>2cc Coupler |                                            |
| Peak OSPL90 (dB SPL)                                      | 107                     | 117                     | 120                     | 125                     |                                            |
| HFA OSPL90 (dB SPL)                                       | 101                     | 113                     | 116                     | 122                     |                                            |
| Peak Gain (dB)                                            | 43                      | 49                      | 60                      | 67                      |                                            |
| HFA Full-On Gain (dB)                                     | 36                      | 47                      | 56                      | 64                      |                                            |
| Frequency Range (Hz)                                      | <100-9400               | <100-9400               | <100-9400               | <100-5800               |                                            |
| HFA Frequencies (kHz)                                     | 1.0, 1.6, 2.5           | 1.0, 1.6, 2.5           | 1.0, 1.6, 2.5           | 1.0, 1.6, 2.5           |                                            |
| Reference Test Gain (dB)                                  | 24                      | 36                      | 39                      | 45                      |                                            |
| Equivalent Input Noise (dB SPL)<br>Expansion On (Default) | 15                      | 15                      | 15                      | 15                      |                                            |
| Equivalent Input Noise (dB SPL)<br>Expansion Off          | 24                      | 24                      | 24                      | 24                      |                                            |
| Harmonic Distortion                                       |                         |                         |                         |                         |                                            |
| 500 Hz (%)                                                | <3                      | <3                      | <3                      | <3                      |                                            |
| 800 Hz (%)                                                | <3                      | <3                      | <3                      | <3                      |                                            |
| 1600 Hz (%)                                               | <3                      | <3                      | <3                      | <3                      |                                            |
| Induction Coil Sensitivity                                |                         |                         |                         |                         |                                            |
| HFA SPLITS (ANSI) (dB SPL)                                | N/A                     | N/A                     | N/A                     | N/A                     |                                            |
| MASL (IEC) (dB SPL)                                       | N/A                     | N/A                     | N/A                     | N/A                     |                                            |
| Estimated Battery Life for<br>16-Hour Day                 |                         |                         |                         |                         |                                            |
| Without streaming (days)                                  | Up to 6                 | Up to 6                 | Up to 6                 | Up to 6                 |                                            |
| With streaming (days)                                     | Up to 5                 | Up to 5                 | Up to 5                 | Up to 5                 |                                            |
| Battery Current (mA)                                      | 1.5                     | 1.6                     | 1.6                     | 1.7                     |                                            |
| Tinnitus Therapy Stimulus                                 |                         |                         |                         |                         |                                            |
| Max RMS Output (dB SPL)                                   | 87                      | 87                      | 87                      | 87                      |                                            |
| Weighted RMS Output Level (dB SPL)                        | 87                      | 87                      | 87                      | 87                      |                                            |
| Max 1/3 Octave Output (dB SPL)                            | 87                      | 87                      | 87                      | 87                      |                                            |



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## RIC 312

Receiver-In-Canal

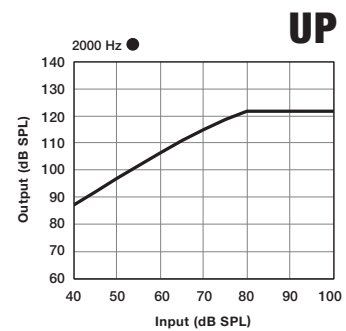
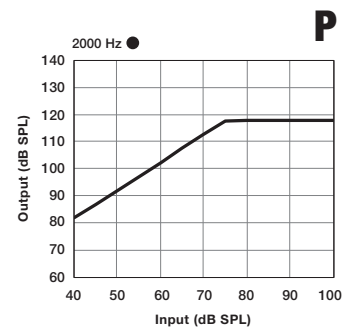
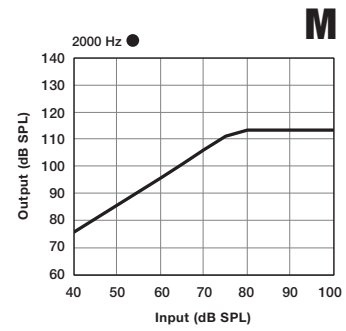
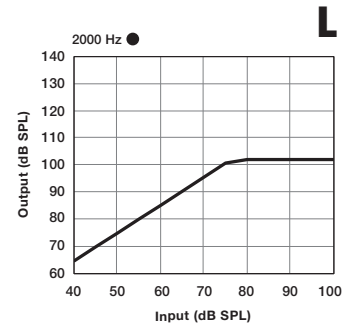
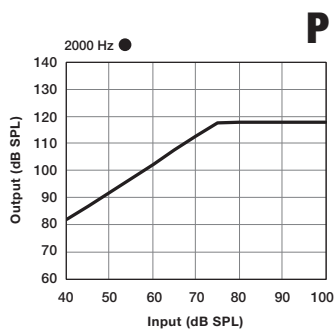
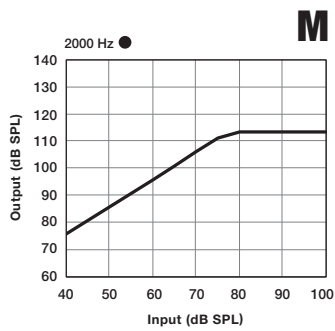
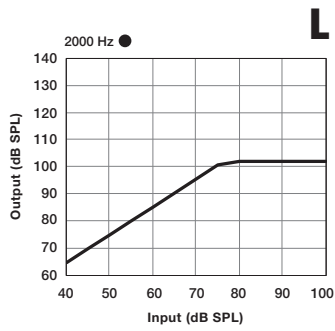


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## RIC 312 CUSTOM CASED

Receiver-In-Canal

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Latency (ms) 4.3

Attack Time (ms) 3

Release Time (ms) 60