

Technical data sheet

miniRITE

60 85 100 105



| | Oticon Ruby 1 | Oticon Ruby 2 | |
|--------------------------------|--------------------------------------|---------------------|---------------------|
| Speech Understanding | Noise Reduction LX | • | • |
| | Multiband Adaptive Directionality LX | • | • |
| | Single Compression LX | • | • |
| | Speech Rescue™ LX | • | - |
| Sound Quality | Fitting Bandwidth* | 8 KHz | 8 KHz |
| | Processing Channels | 48 | 48 |
| | Bass Boost (streaming) | • | • |
| Listening Comfort | Transient Noise Management | On/Off | - |
| | SuperShield | • | - |
| | Feedback shield LX | • | • |
| | Wind Noise Management | • | • |
| Optimizing Fitting | Fitting Bands | 10 | 8 |
| | Adaptation Management | • | • |
| | Oticon Firmware Updater | • | • |
| | Multiple Directionality options | • | • |
| | Fitting Formulas | NAL-NL1+2, DSL v5.0 | NAL-NL1+2, DSL v5.0 |
| Connecting to the World | Stereo streaming (2.4 GHz) | • | • |
| | Oticon ON App | • | • |
| | ConnectClip | • | • |
| | Remote Control 3.0 | • | • |
| | TV Adapter 3.0 | • | • |
| | Phone Adapter 2.0 | • | • |
| | EduMic | • | • |
| Tinnitus SoundSupport™ | • | • | |
| Oticon CROS compatible | • | • | |

* Bandwidth accessible for gain adjustments during fitting

Operating conditions

Temperature: +1°C to +40°C
Relative humidity: 5% to 93%, non-condensing

Storage and transportation conditions

Temperature and humidity should not exceed the below limits for extended periods during transportation and storage.
Temperature: -25°C to +60°C
Relative humidity: 5% to 93%, non-condensing

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miniRITE offers a discreet design with a 312 battery and a single push button.

SuperShield rapidly and intelligently prevents feedback before it occurs.

TwinLink™ wireless technology combines binaural communication and 2.4 GHz connectivity with stereo streaming directly from digital devices.

The powerful Velox S™ platform has programmable firmware architecture, supporting future performance updates.



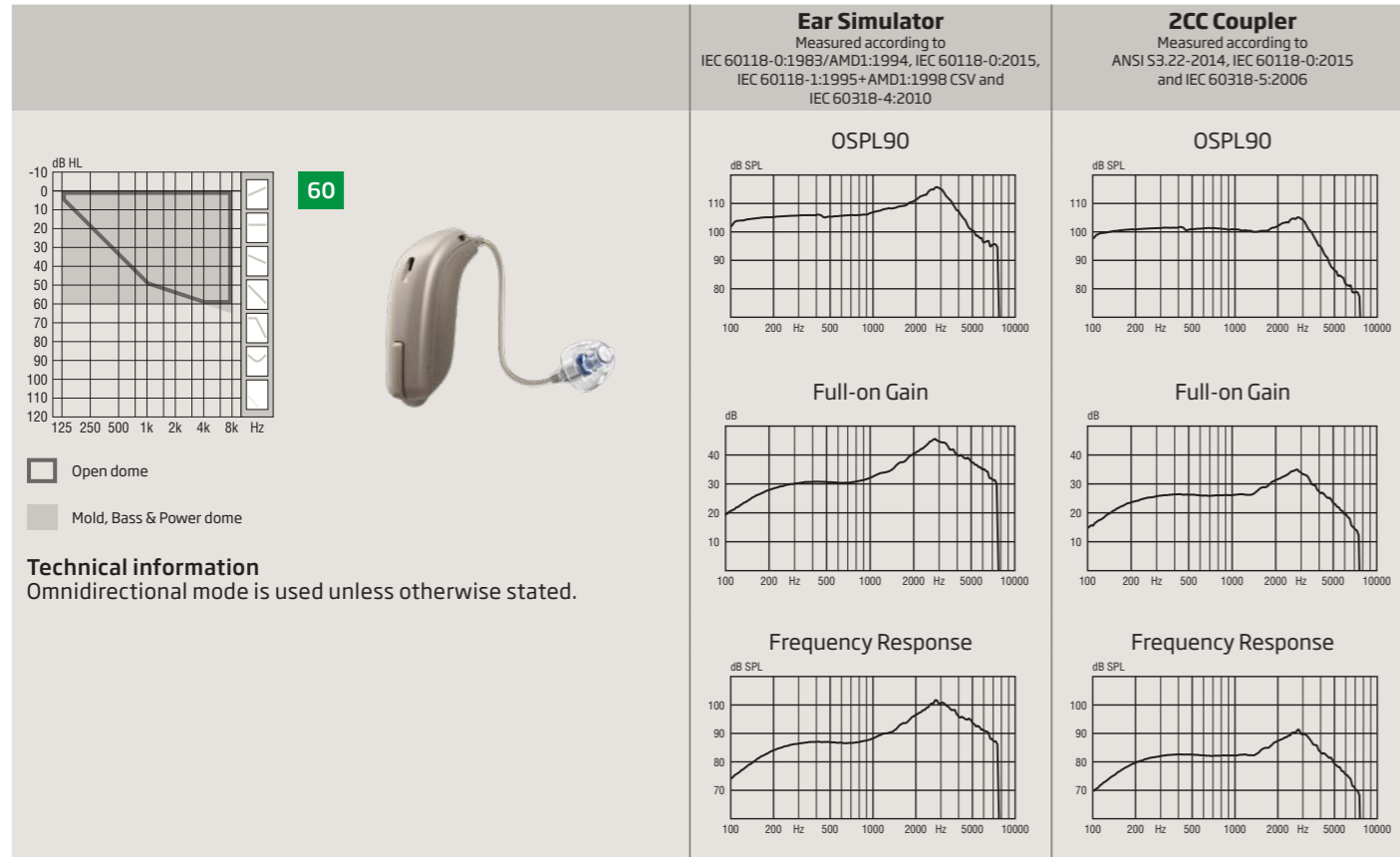
For information on compatibility, please visit www.oticon.com/solutions/accessories

Oticon Ruby

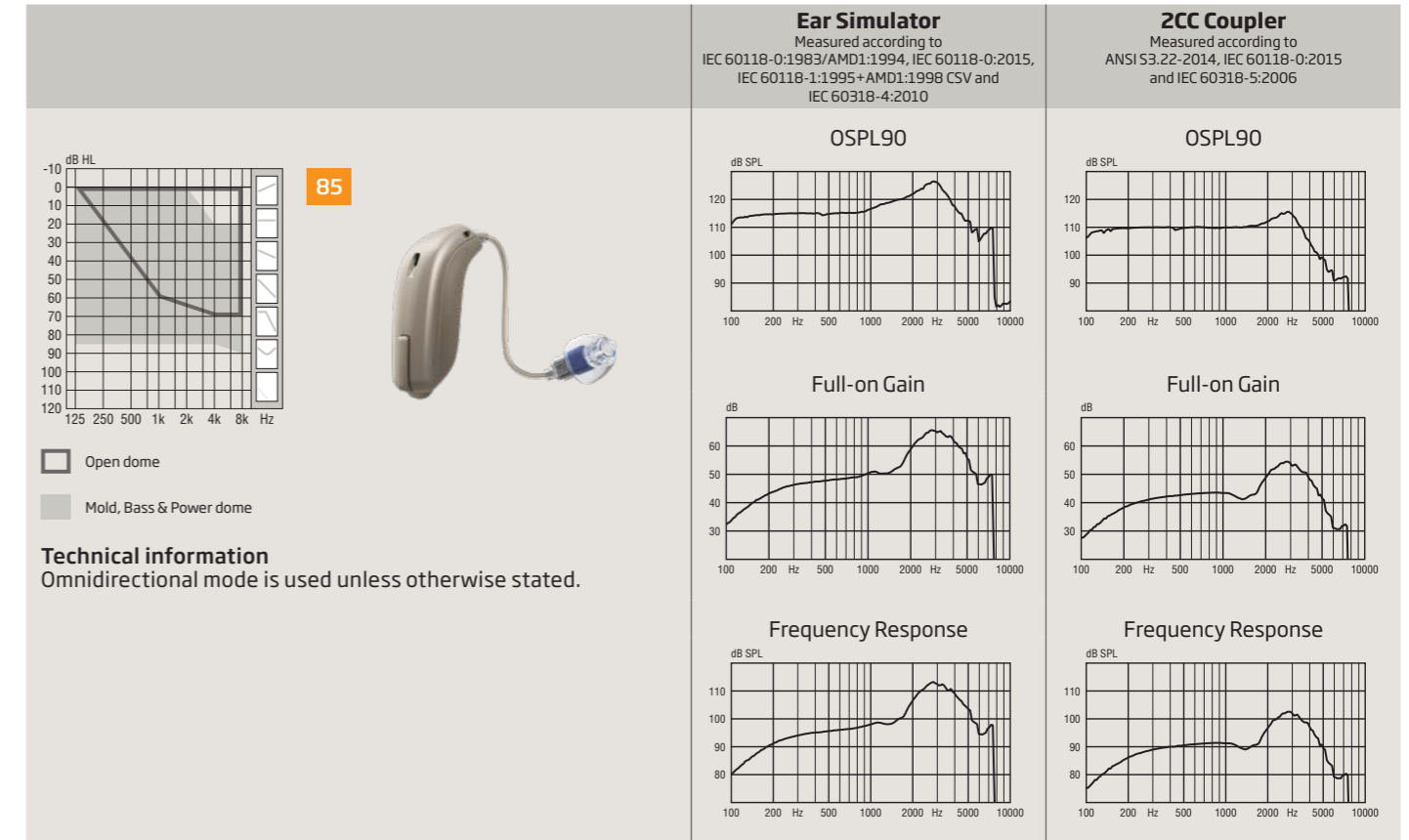
miniRITE 60

Oticon Ruby

miniRITE 85



| | | | |
|---|---------------|--------------------------------------|-------------|
| OSPL90 | Peak | 116 dB SPL | 105 dB SPL |
| | 1600 Hz | 109 dB SPL | 100 dB SPL |
| | HFA-OSPL90 | 110 dB SPL | 102 dB SPL |
| Full-on gain ¹ | Peak | 46 dB | 35 dB |
| | 1600 Hz | 37 dB | 29 dB |
| | HFA-FOG | 38 dB | 30 dB |
| Reference test gain | | 30 dB | 26 dB |
| Frequency range | | 110-7500 Hz | 100-7500 Hz |
| Telecoil output (1600 Hz) | 1 mA/m field | - | - |
| | 10 mA/m field | - | - |
| | SPLITS L/R | - | - |
| Total harmonic distortion (Input 70 dB SPL) | 500 Hz | <2 % | <2 % |
| | 800 Hz | <3 % | <2 % |
| | 1600 Hz | <2 % | <2 % |
| Equivalent input noise level | Omni | 22 dB SPL | 19 dB SPL |
| | Dir | 30 dB SPL | 28 dB SPL |
| Battery consumption ² | Typical | 1.5 mA | 1.6 mA |
| | Quiescent | 1.5 mA | 1.5 mA |
| Battery life, artificial measurement, hours ³ | | 120 | 115 |
| Expected battery life, hours (battery size 312 - IEC PR41) ⁴ | | 60-65 | |
| IRIL (IEC 60118-13:2011) | | 800/1400/2000 MHz: 21/ <2/ <2 dB SPL | |



| | | | |
|---|---------------|--|-------------|
| OSPL90 | Peak | 127 dB SPL | 116 dB SPL |
| | 1600 Hz | 120 dB SPL | 111 dB SPL |
| | HFA-OSPL90 | 121 dB SPL | 112 dB SPL |
| Full-on gain ¹ | Peak | 66 dB | 54 dB |
| | 1600 Hz | 52 dB | 43 dB |
| | HFA-FOG | 55 dB | 47 dB |
| Reference test gain | | 45 dB | 34 dB |
| Frequency range | | 120-7500 Hz | 100-7500 Hz |
| Telecoil output (1600 Hz) | 1 mA/m field | - | - |
| | 10 mA/m field | - | - |
| | SPLITS L/R | - | - |
| Total harmonic distortion (Input 70 dB SPL) | 500 Hz | <2 % | <2 % |
| | 800 Hz | <3 % | <2 % |
| | 1600 Hz | <2 % | <2 % |
| Equivalent input noise level | Omni | 26 dB SPL | 21 dB SPL |
| | Dir | 33 dB SPL | 30 dB SPL |
| Battery consumption ² | Typical | 1.6 mA | 1.7 mA |
| | Quiescent | 1.5 mA | 1.5 mA |
| Battery life, artificial measurement, hours ³ | | 110 | 105 |
| Expected battery life, hours (battery size 312 - IEC PR41) ⁴ | | 55-65 | |
| IRIL (IEC 60118-13:2011) | | 800/1400/2000 MHz: 31/ <15/ <15 dB SPL | |

1) Measured with the gain control of the hearing aid set to its full-on position minus 20 dB and with an input SPL of 70 dB. This is to obtain a gain response equal to the full-on gain response from e.g. IEC 60118-0+A1:1994 but without influence of feedback.
 2) Battery current is measured according to IEC 60118-0:1983/AMD1:1994 §7.11, IEC 60118-0:2015 §7.7 and ANSI S3.22:2014 §6.13 after a settling time of a minimum of 3 minutes.
 3) Based on the standardized battery consumption measurement (IEC 60118-0:1983/AMD1:1994). The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment.
 4) Real usage battery life is shown as an estimated interval based on mixed use cases with variable amplification settings and variable input levels, incl. direct stereo streaming from a TV (25% of the time) and streaming from a mobile phone (6% of the time).


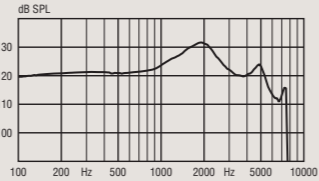
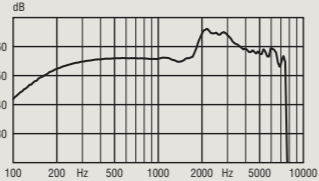
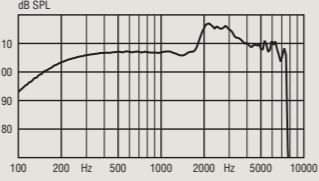
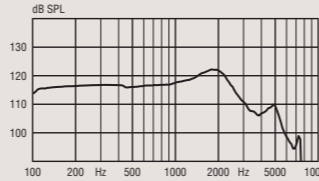
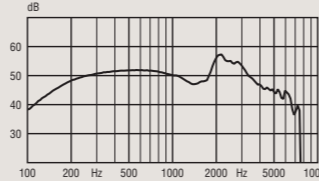
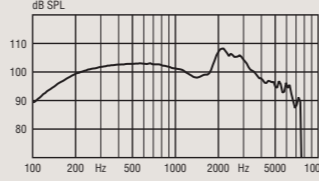
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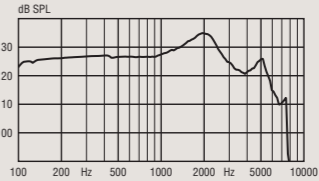
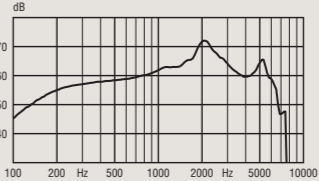
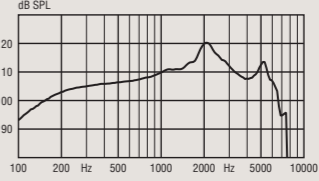
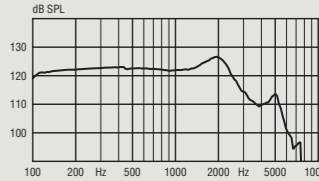
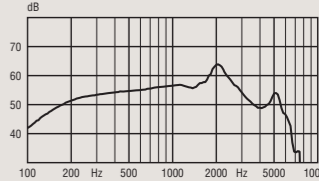
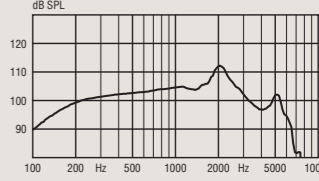
Oticon Ruby

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Oticon Ruby

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| | | Ear Simulator Measured according to IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015, IEC 60118-1:1995+AMD1:1998 CSV and IEC 60318-4:2010 | ZCC Coupler Measured according to ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006 |
|--|---|---|--|
|  <p>100</p> <p>Power Receiver Mold, Bass & Power dome</p> | |    |    |
| OSPL90 | Peak 1600 Hz HFA-OSPL90 | 132 dB SPL 130 dB SPL 127 dB SPL | 122 dB SPL 121 dB SPL 118 dB SPL |
| Full-on gain ¹ | Peak 1600 Hz HFA-FOG | 66 dB 56 dB 59 dB | 57 dB 48 dB 51 dB |
| Reference test gain | | 49 dB | 42 dB |
| Frequency range | | 100-7500 Hz | 100-7500 Hz |
| Telecoil output (1600 Hz) | 1 mA/m field 10 mA/m field SPLITS L/R | - - - | - - - |
| Total harmonic distortion (Input 70 dB SPL) | 500 Hz 800 Hz 1600 Hz | <7% <4% <2% | <2% <2% <2% |
| Equivalent input noise level | Omni Dir | 23 dB SPL 32 dB SPL | 19 dB SPL 30 dB SPL |
| Battery consumption ² | Typical Quiescent | 1.5 mA 1.5 mA | 1.7 mA 1.5 mA |
| Battery life, artificial measurement, hours ³ | | 115 | 105 |
| Expected battery life, hours (battery size 312 - IEC PR41) ⁴ | | 50-65 | |
| IRIL (IEC 60118-13:2011) | | 800/1400/2000 MHz: 25/<20/<20 dB SPL | |

| | | Ear Simulator Measured according to IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015, IEC 60118-1:1995+AMD1:1998 CSV and IEC 60318-4:2010 | ZCC Coupler Measured according to ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006 |
|---|---|--|--|
|  <p>105</p> <p>Power Receiver Mold</p> | |    |    |
| OSPL90 | Peak 1600 Hz HFA-OSPL90 | 135 dB SPL 132 dB SPL 130 dB SPL | 127 dB SPL 125 dB SPL 122 dB SPL |
| Full-on gain ¹ | Peak 1600 Hz HFA-FOG | 72 dB 65 dB 65 dB | 64 dB 57 dB 57 dB |
| Reference test gain | | 58 dB | 46 dB |
| Frequency range | | 100-7500 Hz | 100-6500 Hz |
| Telecoil output (1600 Hz) | 1 mA/m field 10 mA/m field SPLITS L/R | - - - | - - - |
| Total harmonic distortion (Input 70 dB SPL) | 500 Hz 800 Hz 1600 Hz | <2% <2% <3% | <2% <2% <2% |
| Equivalent input noise level | Omni Dir | 18 dB SPL 28 dB SPL | 18 dB SPL 29 dB SPL |
| Battery consumption ² | Typical Quiescent | 1.6 mA 1.5 mA | 1.7 mA 1.5 mA |
| Battery life, artificial measurement, hours ³ | | 110 | 105 |
| Expected battery life, hours (battery size 312 - IEC PR41) ⁴ | | 45-65 | |
| IRIL (IEC 60118-13:2011) | | 800/1400/2000 MHz: 31/<16/<16 dB SPL | |

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