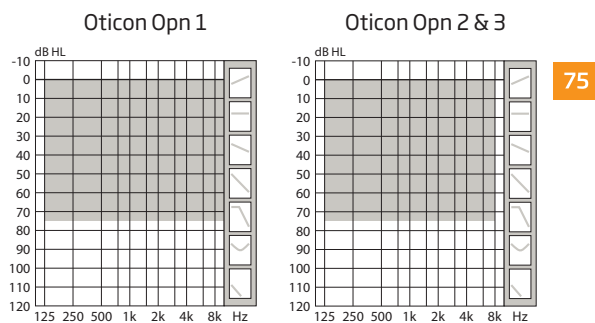


# Technical data sheet

OTICON | **Opn**  
IIC 75



|                                      | Oticon Opn 1               | Oticon Opn 2              | Oticon Opn 3              |                           |
|--------------------------------------|----------------------------|---------------------------|---------------------------|---------------------------|
| Speech Understanding                 | OpenSound Navigator™       | Level 1                   | Level 2                   | Level 3                   |
|                                      | Max. noise removal         | 9 dB                      | 5 dB                      | 3 dB                      |
|                                      | Speech Guard™ LX           | Level 1                   | Level 2                   | Level 3                   |
|                                      | Soft Speech Booster LX     | •                         | •                         | •                         |
|                                      | Speech Rescue™ LX          | •                         | •                         | •                         |
| Sound Quality                        | Clear Dynamics             | •                         | •                         | -                         |
|                                      | Fitting Bandwidth*         | 10 KHz                    | 8 KHz                     | 8 KHz                     |
|                                      | Processing Channels        | 64                        | 48                        | 48                        |
| Listening Comfort                    | Transient Noise Management | 4 configurations          | On/Off                    | On/Off                    |
|                                      | Feedback shield LX         | •                         | •                         | •                         |
| Personalization & Optimizing Fitting | YouMatic™ LX               | 3 configurations          | 2 configurations          | 1 configuration           |
|                                      | Fitting Bands              | 16                        | 14                        | 12                        |
|                                      | Adaptation Management      | •                         | •                         | •                         |
|                                      | Oticon Firmware Updater    | •                         | •                         | •                         |
|                                      | Fitting Formulas           | VAC+, NAL-NL1+2, DSL v5.0 | VAC+, NAL-NL1+2, DSL v5.0 | VAC+, NAL-NL1+2, DSL v5.0 |
|                                      | Acoustic Notifications     | •                         | •                         | •                         |
| Battery life, hours**                | 70-80                      | 70-80                     | 70-80                     |                           |

\* Bandwidth accessible for gain adjustments during fitting

\*\* Battery size 10 - IEC PR70.

Real usage battery life is shown as an estimated interval based on mixed use cases with variable amplification settings and variable input levels.

- Default
- Not included

OpenSound Navigator™ continuously analyzes the environment and attenuates the disturbing noise.

Oticon Opn is built on the Velox™ platform, providing frequency resolution in 64 channels (Opn 1).

Fully programmable with updatable firmware, the Velox platform is ready for the future.



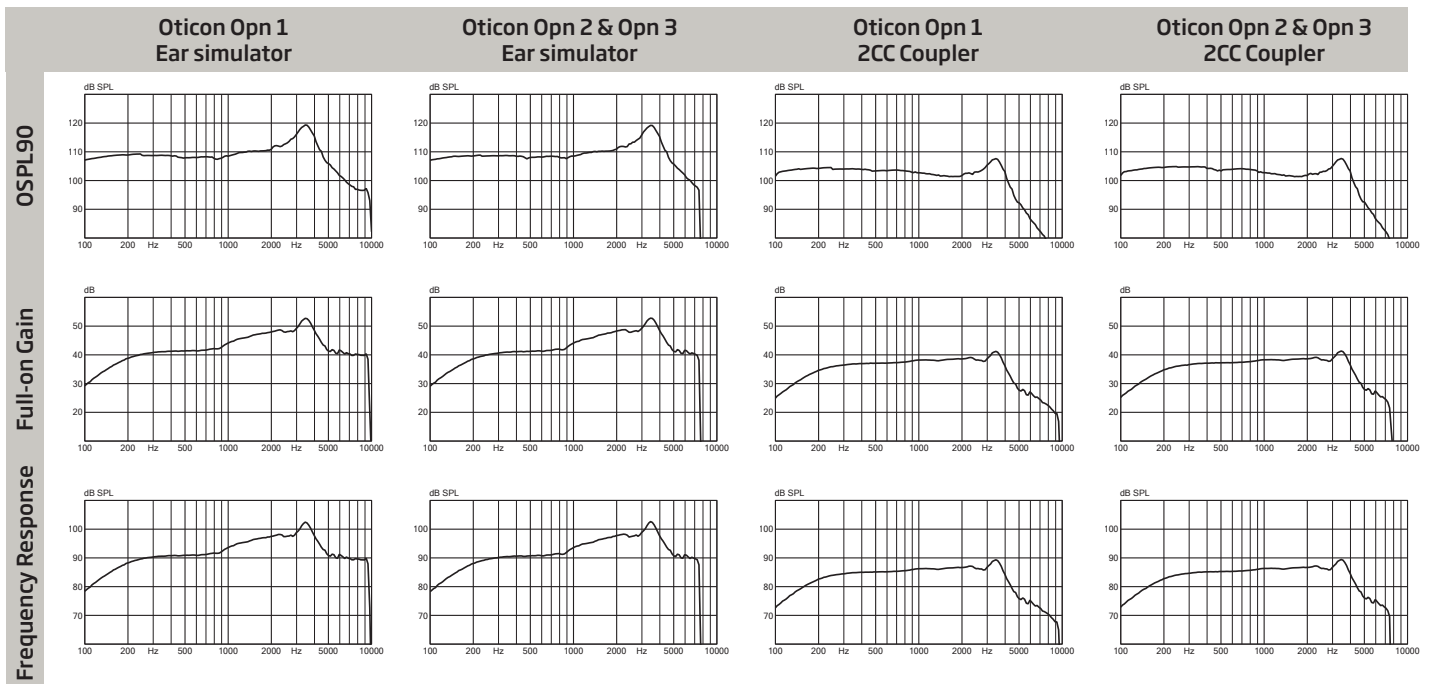
IP68

| Technical data<br>Measured according to        |               | Ear Simulator<br>IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015,<br>IEC 60118-1:1995+AMD1:1998 CSV and<br>IEC 60318-4:2010 |          |          | ZCC Coupler<br>ANSI S3.22-2014, IEC 60118-0:2015<br>and IEC 60318-5:2006 |          |          |
|--|---------------|--|----------|----------|--|----------|----------|
| Oticon Opn IIC 75                              |               | Opn 1  | Opn 2    | Opn 3    | Opn 1  | Opn 2    | Opn 3    |
| Frequency range Hz                             |               | 100-9500   | 100-7500 | 100-7500 | 100-9200   | 100-7500 | 100-7500 |
| OSPL90   | Peak          | 119 dB SPL   |          |          | 108 dB SPL   |          |          |
|  | 1600 Hz       | 110 dB SPL   |          |          | 102 dB SPL   |          |          |
|  | HFA-OSPL90    | 111 dB SPL   |          |          | 102 dB SPL   |          |          |
| Full-on gain*                                  | Peak          | 53 dB  |          |          | 41 dB  |          |          |
|  | 1600 Hz       | 47 dB  |          |          | 38 dB  |          |          |
|  | HFA-FOG       | 46 dB  |          |          | 38 dB  |          |          |
| Reference test gain                            |               | 37 dB  |          |          | 26 dB  |          |          |
| Telecoil output (1600 Hz)                      | 1 mA/m field  | -  |          |          | -  |          |          |
|  | 10 mA/m field | -  |          |          | -  |          |          |
|  | SPLITS L/R    | -  |          |          | -  |          |          |
| Total harmonic distortion<br>(Input 70 dB SPL) | 500 Hz        | 2 %  |          |          | 2 %  |          |          |
|  | 800 Hz        | 2 %  |          |          | 2 %  |          |          |
|  | 1600 Hz       | 3 %  |          |          | 2 %  |          |          |
| Equivalent input noise level                   |               | 19 dB SPL  |          |          | 18 dB SPL  |          |          |
| Battery consumption**                          | Typical       | 1.0 mA   |          |          | 1.1 mA   |          |          |
|  | Quiescent     | 1.0 mA   |          |          | 1.0 mA   |          |          |
| Battery life, calculated, hours***             |               | 100  |          |          | 90   |          |          |
| IRIL (IEC 60118-13:2016)                       |               | 700/1400/2000 MHz: 40/33/11 dB SPL   |          |          |  |          |          |

\* 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.

\*\* 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 minimum 3 minutes.

\*\*\* Based on the standardised 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.



Technical information: Omnidirectional mode is used unless otherwise stated.

#### 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 following limits for extended periods during transportation and storage.

Temperature: -25°C to +60°C

Relative humidity: 5% to 93%, non-condensing