# OTICON | Play PX Technical data sheet miniRITF T

			60         85         100         105
		Play PX 1	Play PX 2
Speech Understanding	MoreSound Intelligence™	Level 1	Level 3
	- Environment configuration	5 Options	3 Options
	- Virtual Outer Ear	3 Configurations	1 Configuration
	- Spatial Balancer	100%	60%
	- Neural Noise Suppression, Difficult / Easy	10 dB / 4 dB	6 dB / 0 dB
ders	- Sound Enhancer	3 Configurations	1 Configuration
Uno	MoreSound Amplifier™	•	•
eech l	Feedback Prevention	MoreSound Optimizer™ & Feedback shield	MoreSound Optimizer™ & Feedback shield
ς	Spatial Sound™	4 Estimators	2 Estimators
	Soft Speech Booster	•	•
	Frequency lowering	Speech Rescue™	Speech Rescue™
ť	Clear Dynamics	•	-
uali	Better-Ear Priority	•	-
Sound Quality	Fitting Bandwidth*	10 kHz	8 kHz
ūn	Bass Boost (streaming)	•	•
Ň	Processing Channels	64	48
Listening Comfort	Transient Noise Management	4 configurations	3 configurations
	Wind Noise Management	•	•
	Fitting Bands	24	18
Б Г	REM Autofit	Verifit®LINK, IMC 2**	Verifit <sup>®</sup> LINK, IMC 2**
ting	Pediatric Fitting Mode	•	•
Optimizing Fitting	DSL Fitting Range***	•	•
õ	Fitting Formulas	DSL v5.0, NAL-NL 1/ NAL-NL 2, VAC+	DSL v5.0, NAL-NL 1/ NAL-NL 2, VAC+
c	LED	•	•
Designed for children	Biological safe	•	•
	Nano coating	•	•
	Color options	12	12
	Hands-free communication****	•	•
	Direct streaming****	•	•
Des	Edumic	•	•
_	Oticon ON app	•	•
** li *** A **** A	Randwidth accessible for gain adjustments during fitting nter Module Communication 2 wailable in this Technical Data sheet and Oticon Play PX Product G wailable for Oticon Play PX from FW 1.1 with selected iPhone modu rom iPhone® iPad® iPnd touch® and selected Android™ devices	els	

\*\*\*\*\* From iPhone®, iPad®, iPod touch®, and selected Android™ devices

#### **Operating Conditions**

Temperature: +1°C to +40°C (34°F to 104°F) Humidity: 5% to 93% relative humidity , non-condensina

Atmospheric pressure: 700 hPa to 1060 hPa

#### Storage and transportation conditions Temperature and humidity should not exceed the below limits for extended periods during

transportation and storage. Transportation Storage Temperature: -25°C to +60°C (-13°F to 140°F) Humidity: 5% to 93% relative humidity, non-condensing

Temperature: -25°C to +60°C (-13°F to 140°F) Humidity: 5% to 93% relative humidity. non-condensing Atmospheric pressure: 700 hPa to 1060 hPa

Apple, the Apple logo, iPhone, iPad, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.







Atmospheric pressure: 700 hPa to 1060 hPa





Oticon Play PX miniRITE T offers a discreet design with LED-light to make handling easy. The style features telecoil and a double push-button, and is powered by a disposable zinc-air battery. It is a Made for iPhone<sup>®</sup> hearing aid and compatible with the new Android<sup>™</sup> protocol for Audio Streaming for Hearing Aids (ASHA) making it possible to stream directly from iPhone, iPad®, iPod touch<sup>®</sup> and select Android devices.

MoreSound Intelligence<sup>™</sup> creates a more precise and natural representation of individual sounds with clearer and more distinct contrasts providing access to all relevant sounds.

MoreSound Amplifier™ analyzes details in sound, and optimally amplifies them for the brain to have access to relevant information.

Oticon Play PX is built on the innovative Polaris™ platform, which uses a Deep Neural Network to rapidly and optimally manage incoming sounds based on individual needs.

life-changing technology

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

		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	<b>ECC Coupler</b> Measured according to ANSI 53.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006
Image: state of the state		OSPL90 dB SPL 0 0 0 0 0 0 0 0 0 0 0 0 0	
Technical information Omnidirectional mode is used unless otherw	vise stated. • Acoustic input: 60 dB SPL • Magnetic input: 31.6 mA/m	100 200 Hz 500 1000 2000 Hz 5000 10000 Frequency response dB SPL 00 00 00 00 00 00 00 00 00 0	100 200 Hz 500 1000 2000 Hz 5000 1000 Frequency response dB SPL 100 100 100 100 100 100 100 10
OSPL90	Peak 1600 Hz HFA-OSPL90	116 dB SPL 110 dB SPL 111 dB SPL	105 dB SPL 102 dB SPL 103 dB SPL
Full-on gain <sup>1</sup>	Peak 1600 Hz HFA-FOG	46 dB 37 dB 38 dB	36 dB 29 dB 30 dB
Reference test gain		30 dB	26 dB
Frequency range		100-9600 Hz	100-9400 Hz
Telecoil output (1600 Hz)	1 mA/m field 10 mA/m field SPLITS L/R	68 dB SPL 88 dB SPL -	- - 85/85 dB SPL
Total harmonic distortion (Input 70 dB SPL)	500 Hz 800 Hz 1600 Hz	<2 % <3 % <2 %	<2% <2% <2%
Equivalent input noise level	Omni Dir	18 dB SPL 26 dB SPL	16 dB SPL 27 dB SPL
Battery consumption <sup>2</sup>	Typical Quiescent	2.3 mA 2.2 mA	2.2 mA 2.2 mA
Battery life, artificial measurement, hours <sup>3</sup>		80	80
Expected battery life, hours (battery size 312 - IEC PR41) <sup>4</sup>		55-	60

Measured with the gain control of the hearing aids set to their 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 60118-0:1983+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 a minimum of 3 minutes.
 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.

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).

		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	<b>ECC Coupler</b> Measured according to ANSI 53.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006
		OSPL90	OSPL90
		dB SPL 100 90 90 100 200 Hz 500 1000 2000 Hz 5000 10000	dB SPL 100 90 80 100 200 Hz 500 1000 2000 Hz 5000 10000
		Full-on gain	Full-on gain
DSL Fitting Range		40	40
Mold, Bass & Power dome		30	30
OpenBass dome		10	10
Technical information		100 200 <sub>Hz</sub> 500 1000 2000 <sub>Hz</sub> 5000 10000	100 200 <sub>Hz</sub> 500 1000 2000 <sub>Hz</sub> 5000 10000
Omnidirectional mode is used unless otherwise s	tated.	Frequency response	Frequency response
	istic input: 60 dB SPL netic input: 31.6 mA/m	dB SPL 100 90 90 90 90 90 90 90 90 90	dB SPL 100 90 90 90 90 90 90 90 90 90
	Peak	116 dB SPL	105 dB SPL
OSPL90	1600 Hz	110 dB SPL	102 dB SPL
	HFA-OSPL90	111 dB SPL	103 dB SPL
Full-on gain <sup>1</sup>	Peak 1600 Hz	46 dB 37 dB	36 dB 29 dB
Tuli-on gain	HFA-FOG	38 dB	30 dB
Reference test gain		30 dB	26 dB
Frequency range		100-7500 Hz	100-7500 Hz
	1 mA/m field	68 dB SPL	-
Telecoil output (1600 Hz)	10 mA/m field	88 dB SPL	-
	SPLITS L/R	-	85/85 dB SPL
Total harmonic distortion (Input 70 dB SPL)	500 Hz 800 Hz	<2 % <3 %	<2 % <2 %
	1600 Hz	<2%	<2%
	Omni	18 dB SPL	16 dB SPL
Equivalent input noise level	Dir	26 dB SPL	27 dB SPL
Battery consumption <sup>2</sup>	Typical	2.2 mA	2.2 mA
	Quiescent	2.2 mA	2.2 mA
Battery life, artificial measurement, hours <sup>3</sup>	11/4	80	80
Expected battery life, hours (battery size 312 - IEC PR41) <sup>4</sup>		55-	60

Measured with the gain control of the hearing aids set to their 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 60118-0:1983+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 a minimum of 3 minutes.
 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.

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).

		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	<b>ECC Coupler</b> Measured according to ANSI 53.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006
		OSPL90 dB SPL 10 10 10 10 200 Hz 500 1000 2000 Hz 5000 10000	OSPL90 dB SPL 100 100 100 100 100 200 Hz 500 1000 2000 Hz 5000 10000
100       100         120       125       250       500       1k       2k       4k       8k       Hz         DSL Fitting Range       Mold, Bass & Power dome       OpenBass dome       Technical information       Note the second se	ange Bass & Power dome Bass dome al information		Full-on gain
Omnidirectional mode is used unless otherw	<ul> <li>Acoustic input: 60 dB SPL</li> <li>Magnetic input: 31.6 mA/m</li> </ul>	BSPL 0 0 0 0 0 0 0 0 0 0 0 0 0	Frequency response
OSPL90	Peak 1600 Hz HFA-OSPL90	127 dB SPL 121 dB SPL 122 dB SPL	117 dB SPL 113 dB SPL 114 dB SPL
Full-on gain <sup>1</sup>	Peak 1600 Hz HFA-FOG	66 dB 53 dB 56 dB	55 dB 45 dB 48 dB
Reference test gain		46 dB	37 dB
Frequency range	1 m / m field	100-9500 Hz	100-8900 Hz
Telecoil output (1600 Hz)	1 mA/m field 10 mA/m field SPLITS L/R	84 dB SPL 104 dB SPL -	- - 96/96 dB SPL
Total harmonic distortion (Input 70 dB SPL)	500 Hz 800 Hz 1600 Hz	<2 % <4 % <5 %	<2 % <2 % <2 %
Equivalent input noise level	Omni Dir	21 dB SPL 29 dB SPL	17 dB SPL 27 dB SPL
Battery consumption <sup>2</sup>	Typical Quiescent	2.4 mA 2.2 mA	2.4 mA 2.2 mA
Battery life, artificial measurement, hours <sup>3</sup>		75	75
Expected battery life, hours (battery size 312 - IEC PR41) <sup>4</sup>		50-	60

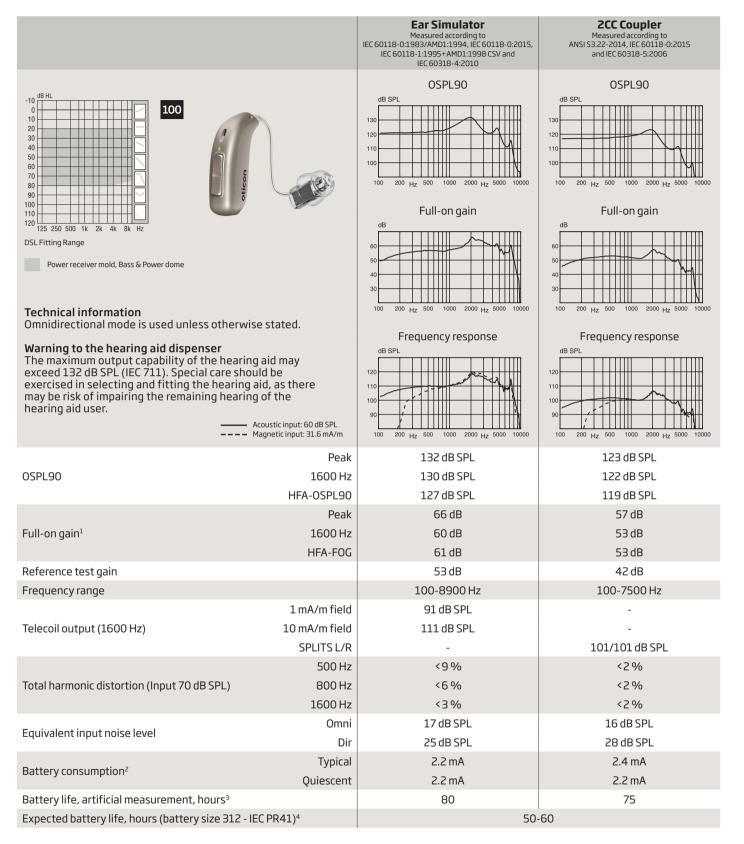
Measured with the gain control of the hearing aids set to their full-on position minus 20 dB and with an input SPL of 70 dB. This is to obtain a gain response equal to the full-on gain response from e.g. IEC 60118-0:1983+A1:1994 but without influence of feedback.
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		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	<b>ECC Coupler</b> Measured according to ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006
		OSPL90	OSPL90
		dB SPL 120 100 100 200 Hz 500 1000 2000 Hz 5000 10000	dB SPL 120 100 100 100 200 Hz 500 1000 2000 Hz 5000 10000
		Full-on gain	Full-on gain
<sup>125</sup> 125 250 500 1k 2k 4k 8k Hz DSL Fitting Range			
Mold, Bass & Power dome			
OpenBass dome		30	30
Technical information Omnidirectional mode is used unless otherwise s	tated	100 200 <sub>Hz</sub> 500 1000 2000 <sub>Hz</sub> 5000 10000	100 200 <sub>Hz</sub> 500 1000 2000 <sub>Hz</sub> 5000 10000
ommunectional mode is used unless otherwise s	lateu.	Frequency response	Frequency response
	stic input: 60 dB SPL letic input: 31.6 mA/m	100 200 Hz 500 1000 2000 Hz 5000 10000	100 100 100 100 200 Hz 500 100 200 Hz 500 100 200 Hz 500 1000
	Peak	127 dB SPL	117 dB SPL
OSPL90	1600 Hz	121 dB SPL	113 dB SPL
	HFA-OSPL90	122 dB SPL	114 dB SPL
	Peak	66 dB	55 dB
Full-on gain <sup>1</sup>	1600 Hz	53 dB	45 dB
	HFA-FOG	56 dB	48 dB
Reference test gain		46 dB	37 dB
Frequency range		100-7500 Hz	100-7500 Hz
	1 mA/m field	84 dB SPL	-
Telecoil output (1600 Hz)	10 mA/m field	104 dB SPL	
	SPLITS L/R	-	96/96 dB SPL
Total harmonic distortion (Input 70 dB SPL)	500 Hz 800 Hz	<2 % <4 %	<2% <2%
Total nationic distortion (Input 70 db SPL)	1600 Hz	<5%	<2 %
	Omni	21 dB SPL	17 dB SPL
Equivalent input noise level	Dir	28 dB SPL	27 dB SPL
	Typical	2.3 mA	2.4 mA
Battery consumption <sup>2</sup>	Quiescent	2.2 mA	2.2 mA
Battery life, artificial measurement, hours <sup>3</sup>	e	75	75
Expected battery life, hours (battery size 312 - IEC PR41) <sup>4</sup>		50-	

Measured with the gain control of the hearing aids set to their 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 60118-0:1983+A1:1994 but without influence of feedback.
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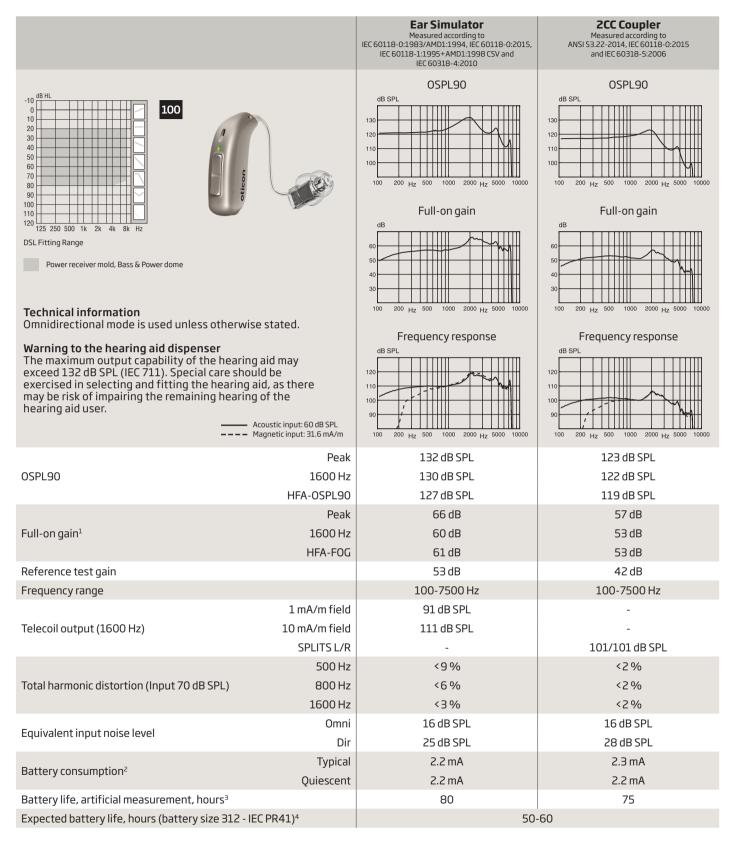
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<sup>1)</sup> Measured with the gain control of the hearing aids set to their full-on position minus 20 dB and with an input SPL of 70 dB. This is to obtain a gain response equal to the full-on gain response from e.g. IEC 60118-0:1983+A1:1994 but without 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).

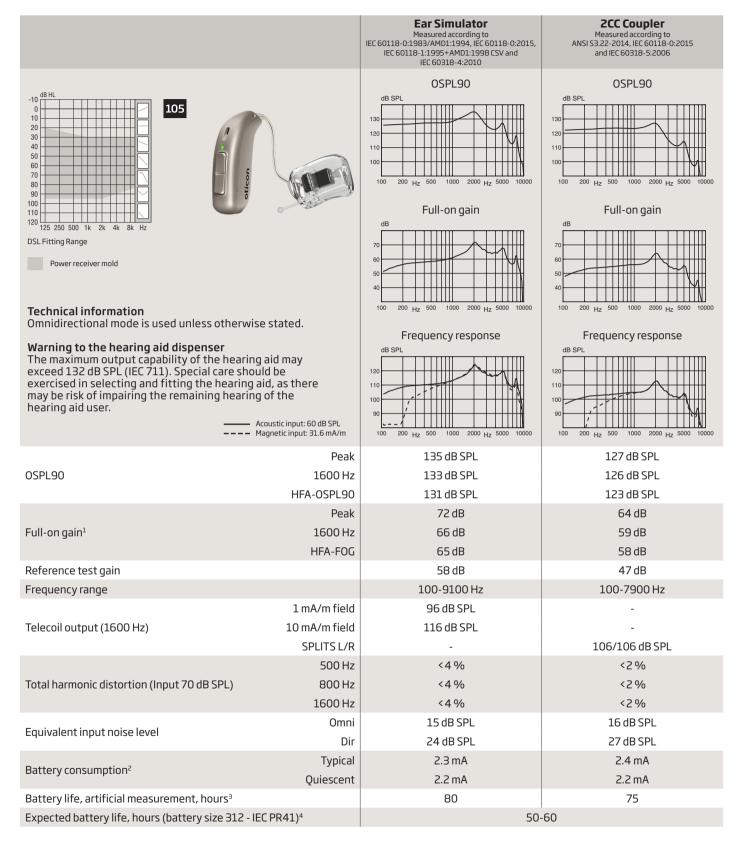


<sup>1)</sup> Measured with the gain control of the hearing aids set to their full-on position minus 20 dB and with an input SPL of 70 dB. This is to obtain a gain response equal to the full-on gain response from e.g. IEC 60118-0:1983+A1:1994 but without influence of feedback.

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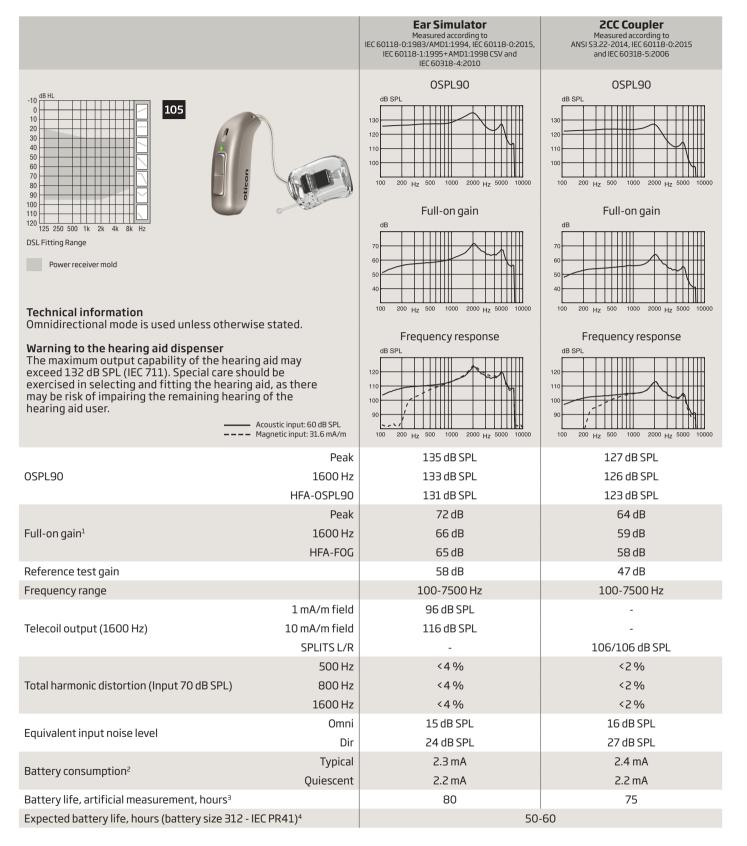
<sup>1)</sup> Measured with the gain control of the hearing aids set to their full-on position minus 20 dB and with an input SPL of 70 dB. This is to obtain a gain response equal to the full-on gain response from e.g. IEC 60118-0:1983+A1:1994 but without influence of feedback.

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<sup>4)</sup> 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).

# miniRITE T 105



<sup>1)</sup> Measured with the gain control of the hearing aids set to their 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 60118-0:1983+A1:1994 but without influence of feedback.

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# Notes


# Notes


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