

Technical data sheet

BTE SP



110

Oticon PG10

	Oticon PG50	Oticon PG30	Oticon PG10
Speech Understanding			
OpenSound Navigator™	Level 1	Level 2	-
- Balancing power effect	100%	50%	-
- Max. noise removal	9 dB	5 dB	-
OpenSound Optimizer™	•	•	•
Noise Reduction LX	-	-	•
Multiband Adaptive	-	-	•
Directionality LX	-	-	•
OpenSound Booster™	•	•	-
Speech Guard™ LX	Level 1	Level 3	-
Single compression LX	-	-	•
Speech Rescue™ LX	•	•	•
Clear Dynamics	•	-	-
Sound Quality			
Spatial Noise Management	•	-	-
Processing Channels	48	48	48
Bass Boost (streaming)	•	•	•
Listening Comfort			
Transient Noise Management	4 configurations	3 configurations	-
Feedback shield LX	•	•	•
Wind Noise Management	•	•	•
Personalisation & Optimising Fitting			
YouMatic™ LX, NR levels	3 configurations	2 configurations	-
Fitting Bands	14	12	8
Multiple Directionality Options	•	•	•
Adaptation Management	•	•	•
Firmware Updater	•	•	•
VC range and step size	•	•	•
Fitting Formulas	DSE, VAC+, NAL-NL1 + 2, DSL v5.0	DSE, VAC+, NAL-NL1 + 2, DSL v5.0	DSE, NAL-NL1 + 2, DSL v5.0
Stereo streaming (2.4 GHz)	•	•	•
RemoteLink 2 App	•	•	•
ConnectClip	•	•	•
Remote Control 3.0	•	•	•
TV Adapter 3.0	•	•	•
Phone Adapter 2.0	•	•	•
Amigo FM	•	•	•
Tinnitus SoundSupport™	•	•	•
CROS/ BiCROS support	•	•	•
Bimodal fitting panel	•	•	•

Conditions of Use

Operating conditions

Temperature: +1°C to +40°C (34°F to 104°F)
Humidity: 5% to 93% relative humidity, non-condensing
Atmospheric pressure: 700 hPa to 1060 hPa

Storage and transportation conditions

Temperature and humidity shall not exceed the below limits for extended periods during transportation and storage.
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

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NFMI + 2,4 GHz

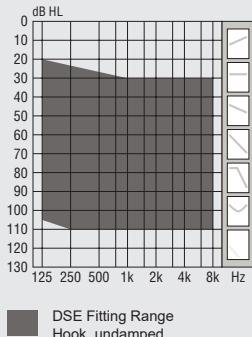
Made for
iPhone | iPad | iPod

IP68

PG50 & PG30 & PG10

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Technical data



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Technical information

Omnidirectional mode is used unless otherwise stated.

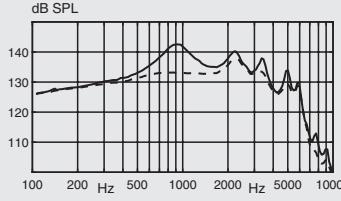
Warning to the instrument dispenser

The maximum output capability of the hearing aid may exceed 132 dB SPL. Special care should be exercised in selecting and fitting the instrument, as there may be risk of impairing the remaining hearing of the hearing aid user.

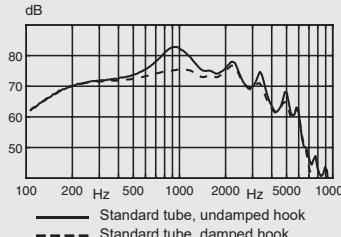
Ear Simulator

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

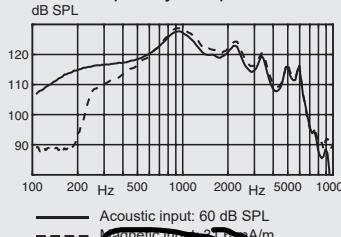
OSPL90



Full-on Gain



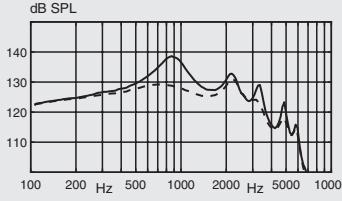
Frequency Response



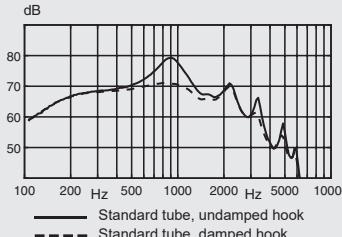
2CC Coupler

Measured according to
ANSI S3.22-2014, IEC 60118-0:2015
and IEC 60318-5:2006

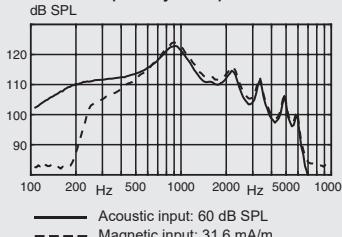
OSPL90



Full-on Gain



Frequency Response



OSPL90	Peak 1600 Hz HFA-OSPL90	143 dB SPL 135 dB SPL 138 dB SPL 83 dB	139 dB SPL 127 dB SPL 130 dB SPL
Full-on gain ¹	Peak 1600 Hz HFA-FOG	75 dB 77 dB 61 dB 100-6500 Hz	79 dB 67 dB 70 dB
Reference test gain		53 dB	53 dB
Frequency range	1 mA/m field 10 mA/m field SPLITS L/R	100-6100 Hz	-
Telecoil output (1600 Hz)		-	-
Total harmonic distortion (Input 70 dB SPL)	500 Hz 800 Hz 1600 Hz	4 % <2 % <2 %	4 % <2 % <2 %
Equivalent input noise level	Omni Dir	18 dB SPL 32 dB SPL	19 dB SPL 34 dB SPL
Battery consumption ²	Typical Quiescent	1.6 mA 1.4 mA	2.5 mA 1.4 mA
Battery life, artificial measurement, hours ³		200	125
Expected battery life, hours (battery size 13 - IEC PR48) ⁴		75-115	

- 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 minimum 3 minutes.
- 3) 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.
- 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).