DaVinci PxP
Precision eXtreme Power

The most powerful digital, directional BTE with multichannel digital signal processing incorporating feedback management and versatile compression architecture for fitting flexibility.

DaVinci PxP PDI MM

Feature Summary:

Precision Directional Imaging utilizes advanced directional microphone technology to enhance speech understanding in noisy environments.

Multiple Channels with adjustable crossover frequencies programmable as WDRC, Output Compression Limiting, or Peak Clipping.

MultiMemory with up to 3 fully programmable memories accessed via a multifunction switch.

Feedback Management reduces feedback at use settings.

Peak Shift Control range from 200 to 2000 Hz or off for increased fitting flexibility.

Wide Band Expansion technology reduces microphone and low level environmental noise.

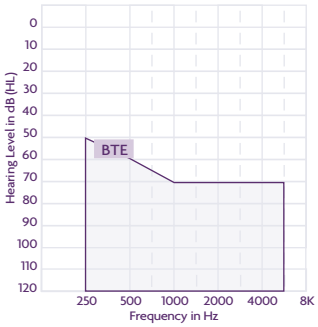
Extended Bandwidth from 80 to 4400 Hz.

Programmable Telecoil accessed via the multifunction switch allows for fully adjustable frequency response of the extremely powerful telecoil that is calibrated during best fit to provide a low frequency boost. It may be programmed within any memory. Enable M/T mode allows for combined microphone and telecoil inputs.

Wireless FM and Direct Audio Input (DAI) Capable.

Programmable Indicator Tones for low battery and memory (up to 125 dB SPL).

Volume Control with optional disable VC feature within PFS.



Multifunction Switch for on/off (I-O) and memory function.

Tamper Resistant Battery Door.

Size 675 Battery.

Options:

Wide Variety of Case Colors, including Beige, Brown, Light Gray, Black, Ice (transparent) and Ice Purple.

Tamper Resistant Volume Control Cover.

Direct Audio Input Accessories.

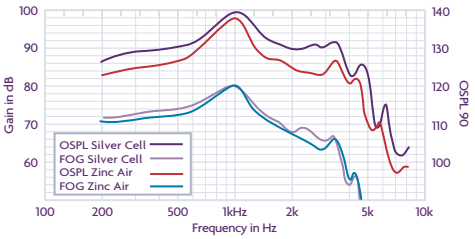
Right and Left Device Indicators.

Pediatric and Adult Filtered Earhooks available.

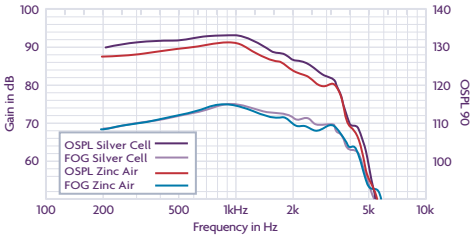
STARKEY

TECHNICAL SPECIFICATIONS

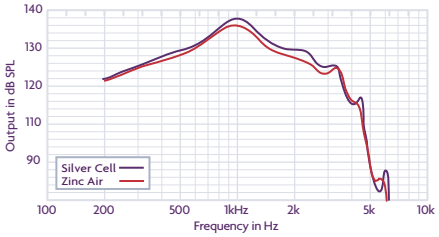
	ANSI	IEC
Peak OSPL90 dBSPL	140	142
HFA OSPL90 dBSPL	133	NA
RTF OSPL90 dbSPL	NA	139
Peak Full On Gain 50 dB	80	84
HFA Full On Gain 50 dB	71	77
RTF Full On Gain 50 dB	NA	77
Frequency Range (kHz)	.08-4.4	NA
Reference Test Frequency (kHz)	1.0, 1.6, 2.5	1.6
Reference Test Gain dB	53	60
Total Harmonic Distortion		
500 Hz	<5%	<5%
800 Hz	<3%	<2%
1600 Hz	<1%	<2%
Equivalent Input Noise (dB SPL)	<28	<28
(55-90 ANSI) (55-80 IEC) Test Mode		
Attack Time ms	90	120
Release Time (short stim)	250	450
Release Time (long stim)	250	550
Induction Coil Sensitivity		
HFA SPLITS dB SPL	113	
MASL		119
Battery Current (mA)	2.4	1.9
Idle (mA)	1.4	1.4
Estimated Battery Life for 16 hour day		
675 zinc air (days)	22	22
675 silver cell (days)	6	6



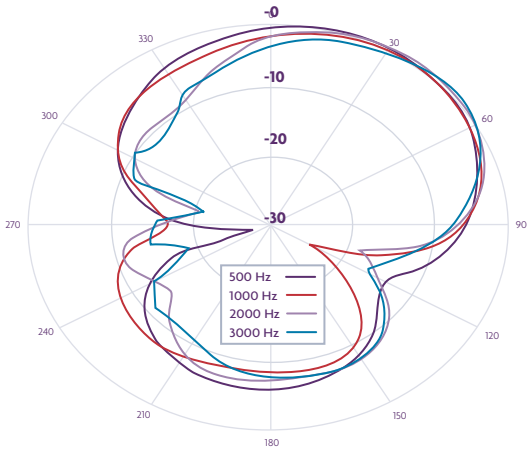
BTE UNDAMPED: OSPL90 and Full On Gain curves with the default unfiltered earhook.



BTE DAMPED: OSPL90 and Full On Gain curves with the filtered (white 680 ohm damper) earhook.



TELECOIL: Induction Coil sensitivity at Full On Gain. Data obtained in RMS magnetic field strength of 31.6 mA/meter.



KEMAR POLAR PLOTS

	500 Hz	1000 Hz	2000 Hz	3000 Hz
KEMAR DI Values	5.2	3.8	4.6	3.0
Freefield DI Values	5.8	5.9	5.6	5.4

Measurement Conditions and Recommendations

The data for DaVinci PxP are obtained and performance is expressed according to ANSI S3.22 (1996), *Specifications of Hearing Aid Characteristics* and IEC 118-0 (1983), *Hearing Aids, Part 0: Measurement of Electroacoustical Characteristics and Amendment 1* (1994-01). The Starkey proprietary Real Time Analyzer comprises the basic test equipment. Data may be subject to change with product refinement.

DaVinci PxP hearing instruments may be set to Test Mode within PFS by reading the hearing aid and choosing Set To Full On Gain (Test Mode) from the Activity drop down menu. Because of the adaptive signal processing capabilities of DaVinci PxP DSP, you must be in Test Mode to compare the actual performance of the hearing instrument with these specifications.

Special care should be exercised in selecting and fitting a hearing aid whose maximum sound pressure level exceeds 132 decibels because there may be risk of impairing the remaining hearing of the hearing aid user.

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