

Aspect Digital Signal Processor

Adaptive digital signal processing algorithms incorporated in a state-of-the-art open fitting design.



Aspect OTE

Feature Summary:

Exclusive, Lightweight Design contours the top of the ear between the head and pinna to provide maximum comfort.

Unique Earbud Design In Three Sizes to provide open-ear fitting with excellent retention and reduced feedback.

MultiChannel Programmability as WDRC or Output Compression Limiting with multiple parameters to optimize fine-tuning of the response.

MultiChannel Expansion technology reduces circuit and low-level environmental noise typically associated with WDRC hearing aids.

Adaptive Noise Management reduces gain of steady-state noise only in channels where noise is detected.

Feedback Management reduces feedback at use settings.

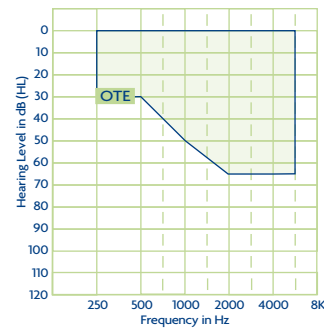
Real Ear Insertion Gain View within PFS simplifies fitting.

Three Tubing Lengths to meet the needs of a variety of patients.

Programmable Indicator Tone for low battery.

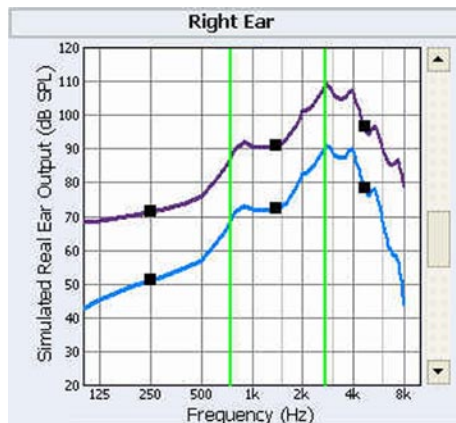
Appealing Translucent Case in blue-tinted charcoal gray allows Aspect to blend in with the shadow of the pinna.

Size 10A Battery.



Aspect Digital OTE

Peak OSPL90 (dB SPL)	ANSI 104	IEC 112
HFA/RTF OSPL90 (dB SPL)	94	102
Peak Gain (dB)	35	44
HFA/RTF Full On Gain (dB)	27	35
Frequency Range (kHz)	0.2-5.0	NA
Ref. Test Frequency (kHz)	1.0, 1.6, 2.5	1.6
Ref. Test Gain (dB SPL) (ANSI-HFA; IEC-RTF)	26	29
Harmonic Distortion		
500 Hz	1.3%	1.7%
800 Hz	0.2%	0.4%
1600 Hz	0.7%	0.8%
Equivalent Input Noise (dB SPL)	26	33
(55-90 ANSI) (55-80 IEC) – Test Mode		
Attack Time	5 ms	5 ms
Release Time 0.1-s	30 ms	30 ms
Release Time 2.0-s	45 ms	45 ms
Induction Coil Sensitivity		
HFA SPLITS (ANSI 96) (dB SPL)	NA	
MASL (IEC 118-1) (dB SPL)		NA
Battery Current (mA)	0.77	0.77
Idle (mA)	0.70	0.70
Estimated Battery Life for 16 hour day 10A Zinc Air (days)	7.9	7.9



SIMULATED REAL EAR OUTPUT response for a 50 dB and 90 dB input for the Aspect 10A 104/35 with the standard earbud and tubing set to Full On Gain.



Measurement Conditions and Recommendations

The Starkey proprietary Real Time Analyzer and Aspect Coupler Adaptor comprise the basic test equipment. Please refer to the Aspect Fitting Kit for instructions on obtaining 2cc coupler measurements. RECD (Real Ear to Coupler Difference) is applied to obtain simulated real ear data. Data may be subject to change with product refinement.

Aspect 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 Aspect DSP, you must be in Test Mode to compare the actual performance of the hearing instrument with these specifications.