

# ReSound *AiR*™

## PRODUCT INFORMATION

ReSoundAIR

Model AIR60

### Product Description

ReSoundAIR sets the new standard for open fitting and comfort. It's the only digital hearing instrument specifically designed to provide optimum gain, stability and wearer comfort to those with mild or high-frequency hearing loss.

ReSoundAIR incorporates unique ComforTec™ technology that revolutionizes high-frequency fittings by combining a set of proven software and hardware technologies optimized to provide the following benefits:

#### Cosmetic appeal:

- Small unique case design with virtually invisible sound tube
- Hearing without fear of embarrassment

#### Physical comfort:

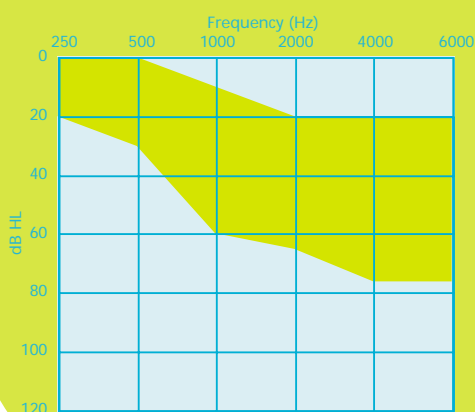
- Open fitting without occlusion effect
- Extremely comfortable to wear

#### Listening comfort:

- The most natural sounding hearing instrument yet invented
- No over-amplification of lower frequency sounds
- Feedback kept at a safe distance



### Fitting Range



### ReSoundAIR Key Features:

- WarpOpen wide dynamic range compression
- Stabilizer™ digital feedback suppression
- Super-fast signal processing
- Multi-band fast-acting noise reduction
- Low-level expansion
- Hardware design innovations for open fittings

### Standard Configuration

- SmartStart power-up timer
- Battery door with integrated On/Off switch
- Size 10A battery

### Options

- 5 different case colours
- Different microphone filter colours
- Sound tubes and domes in different sizes

# ReSound AIR™

## TECHNICAL DATA

ReSoundAIR

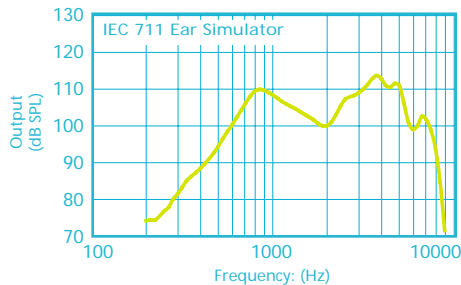
Model AIR60

### Technical Specifications

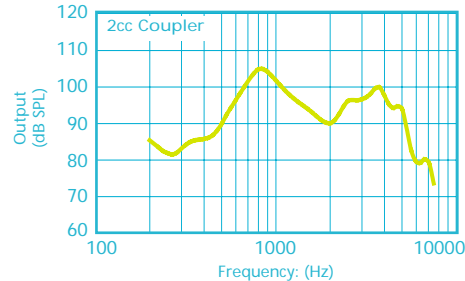
		IEC 60118-0 IEC 711 Ear Simulator	IEC 60118-7 2cc Coupler
<b>Reference Test Gain (60 dB SPL input)</b>	2500 Hz	34 dB	20 dB
<b>Full-On Gain (50 dB SPL input)</b>	Max.	47 dB	38 dB
	2500 Hz	41 dB	34 dB
<b>Maximum Output (90 dB SPL input)</b>	Max.	114 dB SPL	105 dB SPL
	2500 Hz	107 dB SPL	96 dB SPL
<b>Total Harmonic Distortion</b>	800 Hz	na	na
	1600 Hz	1.1 %	0.8 %
<b>Equivalent input Noise, w/o Noise reduction</b>		22 dB SPL	22 dB SPL
<b>1/3 Octave E.I.N, w/o Noise reduction</b>	2500 Hz	10 dB SPL	10 dB SPL
<b>Frequency Range (DIN 45605)</b>		500-7500 Hz	530-7100 Hz
<b>Current Drain</b>		0.9 mA	1.0 mA
<b>Typical Battery Life</b>	Battery type 10A	70 hrs	70 hrs

Data in accordance with IEC 60118-0,  
IEC 60118-7; Supply Voltage 1.3 V.

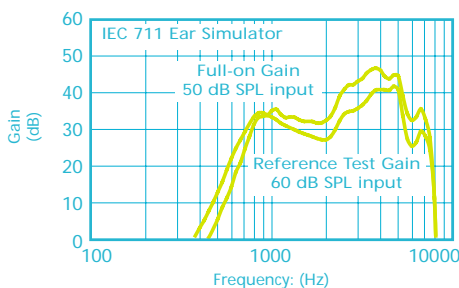
Maximum Output (OSPL 90)



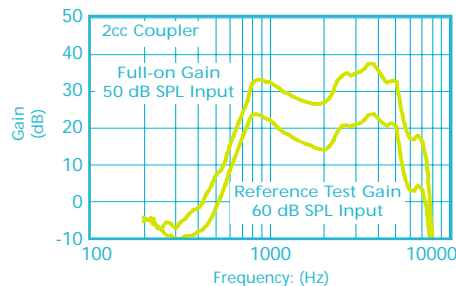
Maximum Output (OSPL 90)



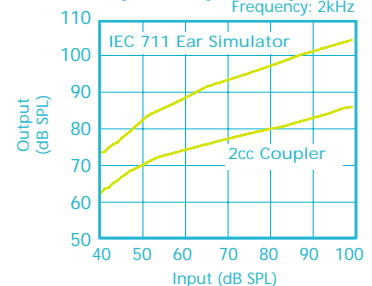
Full-on Gain/Reference Test Gain



Full-on Gain/Reference Test Gain



Input/Output Response



### WarpOpen Compression System

#### Syllabic Compression

Threshold	≤ 45 dB SPL in each band
Compression Ratio	1.0 to 3.0 (prog. dependent in each handle)
Attack Time	5 ms
Release Time	70 ms (120 ms at 250 Hz)

#### Input Limiting

Threshold	0 to -9 dB relative to Max output
Compression Ratio	> 15.0
Attack Time	5 ms
Release Time	70 ms

### Full-on Gain Parameter Settings

G[80]	10	15	15	15
G[50]	30	35	35	35

### Reference Test Gain Parameter Settings

G[80]	3	8	8	8
G[50]	23	28	28	28

Settings in Aventa fitting software using Kemar  
IG & Pure Tone Stimuli view modes