



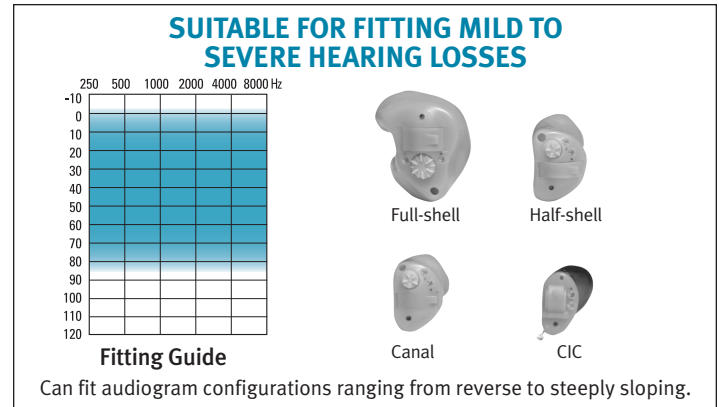
Breeze™ Custom

WDRC

Trimmer Controlled, Two Channel Processing

HEARING AID FEATURES

- Digital sound processing for clear, comfortable sound
- 2 channel Wide Dynamic Range Compression
- Choice of 5 controls provide fitting flexibility
 - Low channel gain (green dot)
 - High channel gain (black dot)
 - Crossover frequency (white dot)
 - Maximum power output (blue dot)
 - Threshold kneipoint (orange dot)
- Controls continuously adjustable in steps for precise adjustment
- Set F control counter-clockwise for 4000 Hz position, all other trimmers counter-clockwise for maximum amplification
- Quiet mode expansion for improved sound quality in quiet environments and reduced circuit noise
- Power management system provides optimized battery life
- Low battery warning
- Contoured matte faceplate provides attractive cosmetics
- Optional telecoil, accessible through push-button switch. Offered with canal, half-shell and full-shell
- Optional dual-microphone directionality for improved signal-to-noise ratio, selectable by push-button. AI – DI = 5.1 dB. Available with canal, half-shell and full-shell
- Manual volume control standard with canal, half-shell and full-shell



IEC 118-7 2CC COUPLER TECHNICAL DATA

Styles	CIC	Canal Half-shell	Full-shell
Frequency Range (Hz)	100-8000	100-6700	100-6400
Peak Gain	20-40 dB	35-45 dB	35-55 dB
Peak Output	85-105 dB	100-110 dB	96-116 dB
Reference Test Gain	-1-20 dB	14-25 dB	12-32 dB
Full on Average Gain*	12-34 dB	28-38 dB	27-47 dB
Average Output*	77-98 dB	93-104 dB	89-109 dB
Reference Test Frequency	1.6 kHz	1.6 kHz	1.6 kHz
Full on Gain at 1.6 kHz	12-33 dB	27-37 dB	27-47 dB
Output at 1.6 kHz	77-97 dB	92-103 dB	89-108 dB
Typical Battery Life (Zinc Air Premium)	105 h 10A	175 h 312	320 h 13
Current Drain at RTG	0.85 mA	0.85 mA	0.9 mA
Output with Inductive Input at 1.6 kHz	N/A	58-69 dB	55-77 dB
Equivalent Input Noise at RTG (50 dB in)	20-36 dB	20-24 dB	15-23 dB
Attack Time	70 ms	70 ms	70 ms
Release Time	400 ms	400 ms	400 ms
Compression Ratio	2.9:1 to 1:1	2.9:1 to 1:1	4:1 to 1:1

*Average of 500, 1000 and 2000 Hz
Quiet mode expansion: on

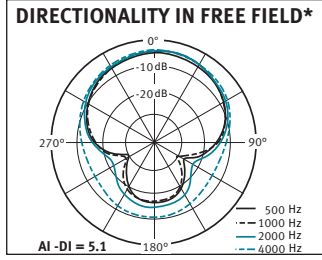
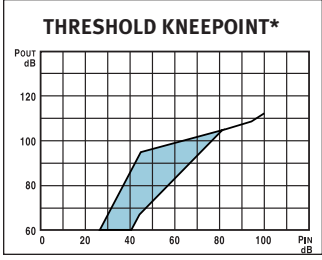
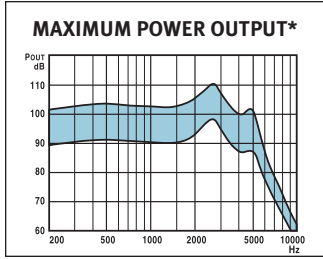
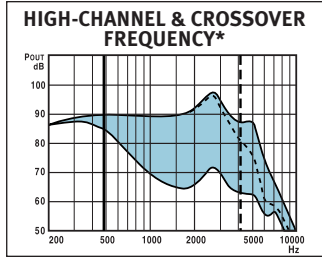
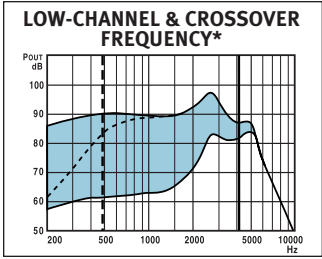
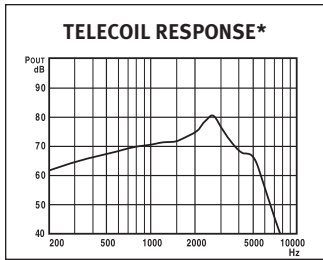
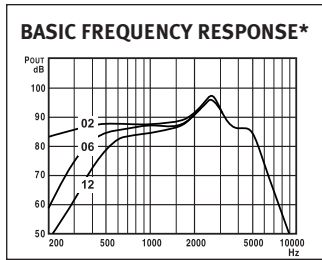
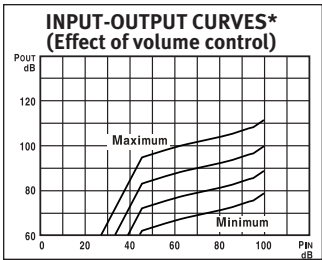
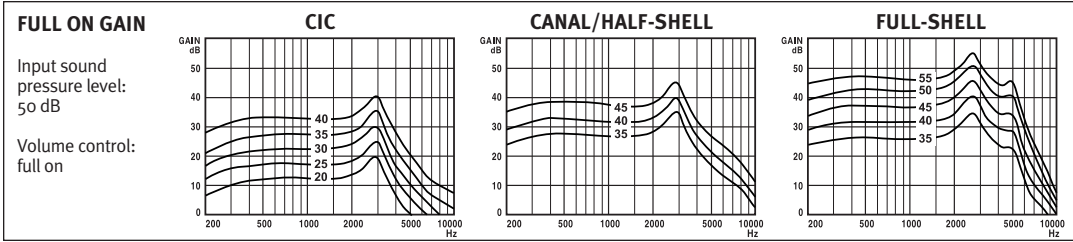
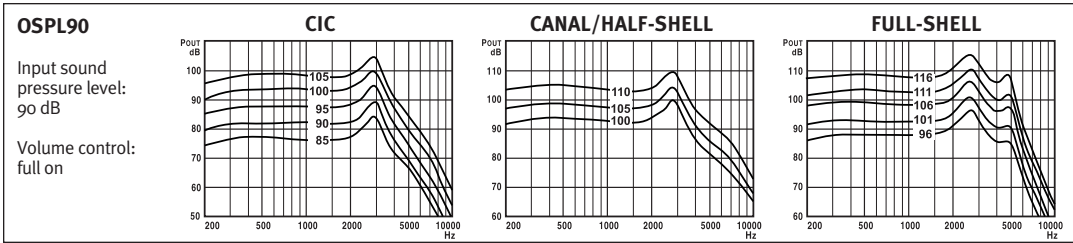
MATRIX SELECTIONS

Full-shell	Half-shell/Canal	CIC
116/55/02,06,12	110/45/02,06,12	105/40/02,06,12
111/50/02,06,12	105/40/02,06,12	100/35/02,06,12
106/45/02,06,12	100/35/02,06,12	95/30/02,06,12
101/40/02,06,12		90/25/02,06,12
96/35/02,06,12		85/20/02,06,12

IEC 118-0 EAR SIMULATOR

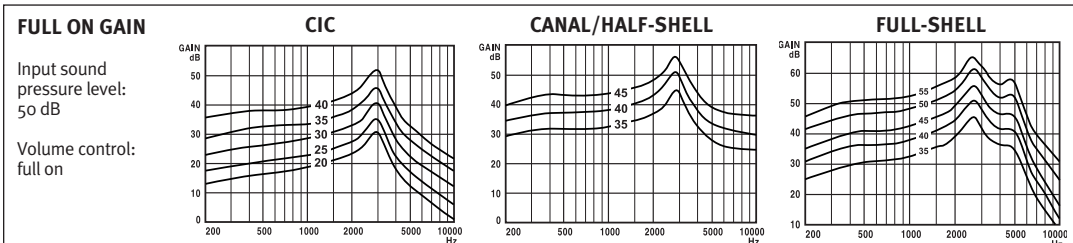
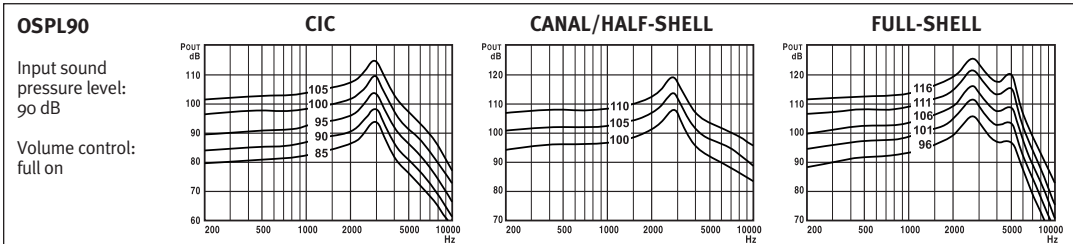
Styles	CIC	Canal Half-shell	Full-shell
Frequency Range (Hz)	100-8000	100-8000	100-7000
Peak Gain	31-52 dB	45-56 dB	46-65 dB
Peak Output	94-115 dB	108-119 dB	106-125 dB
Full on Gain at 1.6 kHz	21-42 dB	35-45 dB	36-56 dB
Output at 1.6 kHz	85-106 dB	100-110 dB	96-116 dB

BREEZE WDRC CUSTOM DIGITAL IEC 118-7 2CC COUPLER SPECIFICATIONS



* The performance was measured based on the Breeze WDRC full-shell (111/50/02)

IEC 118-0 EAR SIMULATOR



TEST CONDITIONS

RTG-IEC: Reference Test Gain of the Volume Control
 BATTERY: 13 Zinc Air Premium
 SOURCE: Voltage 1.3 V Impedance 6 Ohms
 COUPLER: HA-1
 VENT: Closed at canal end
 Refer to: "Summary of Test Conditions and Limits" for more details.

AID MARKING: Breeze WDRC

COMPLIANCE

Our products are designed to meet all of the limits required when tested in accordance with the applicable standard.

REFERENCES

IEC: International Electrotechnical Commission Publication 118-0, 118-7 (1983)
 European Standard EN60118/A1 February, 1994
 JIS: Japanese Industrial Standard JIS C 5512-2000

We reserve the right to change specification data without notice as improvements are introduced.

This product is manufactured under the protection of U.S. Patent #4349082 & #5204917.

Caution: Hearing aids and batteries can be harmful if swallowed or improperly used.



CORPORATE OFFICE
 Kitchener, Ontario, Canada
 1 877 492 6244; 1 519 895 0100

CANADA
 Cambridge, Ontario
 1 800 265 8255; 1 519 650 9111

CHINA
 Suzhou, China
 86 512 6258 2258

EUROPE
 Oeffingen, Germany
 49 711 658538 0

FRANCE
 Bron, France
 04 26 23 22 00

INTERNATIONAL
 Kitchener, Ontario, Canada
 1 519 895 0100

NETHERLANDS
 Nieuwegein, The Netherlands
 +31 (0) 30 604 9325

UK
 Warrington, Cheshire, England
 01925 247810

U.S.A.
 Plymouth, Minnesota
 1 800 888 8882; 1 763 744 3300

www.unitronhearing.com