Digital

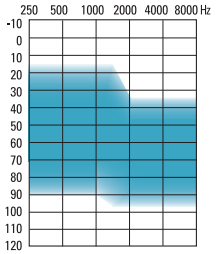
Element™ 4
Custom
3 Manual Programs
4 Channels, 8 bands, Directional

HEARING AID FEATURES

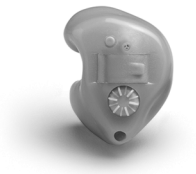
- Choice of 3 manual programs to provide customization for individual needs and preferences
- Fixed directional microphone system suppresses background noise sources, while focusing on sounds from the front
- Noise reduction analyzes input and automatically reduces noise signals
- AntiShock instantaneously reduces the level of impulse noises such as a door slam, while maintaining the quality and intelligibility of speech
- Phase canceller continuously monitors for feedback and accurately calculates and applies the required counter signal for feedback cancellation
- Wind noise manager intuitively engages based on moderate or high wind conditions
- 4 channels, 8 bands provide flexible and accurate frequency shaping
- Choice of 2 processing strategies (WDRC and Linear Limiting) for increased fitting flexibility
- Ideal volume indicator provides a beep notification when recommended gain is reached on the volume control
- Data logging accurately records the wearer's usage and manual program use
- Low battery warning
- Start up delay
- On/Off by opening or closing the battery door or by rotating the manual VC
- Element 4 can be programmed using NOAH-compatible U:fit™ and Standalone U:fit fitting software

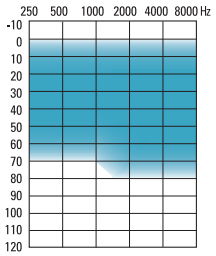
OPTIONS

- Telecoil (T) or Microphone/Telecoil (MT) option can be set as one of the three manual programs
- Easy-t provides automatic switching to a dedicated telephone program



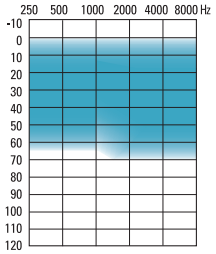
Fitting Guide


122/60
Full Shell Power



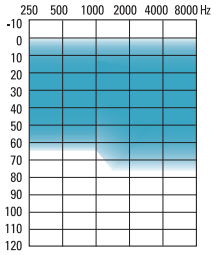
Fitting Guide


115/50
Full Shell

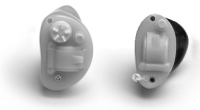


Fitting Guide


113/48
Half Shell / Canal



Fitting Guide


112/40
Mini Canal / CIC

Element 4 Custom is suitable for fitting mild to severe hearing losses and can fit audiogram configurations ranging from reverse to precipitously sloping.

unitron hearing®

CE 0543 06-009 027-5151-02 A4 Printed in Canada

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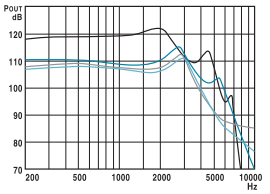
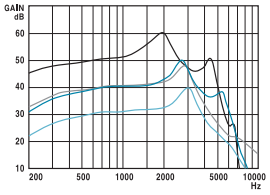
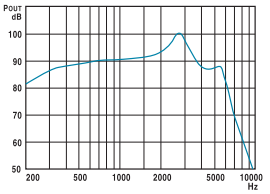
Element 4 Custom

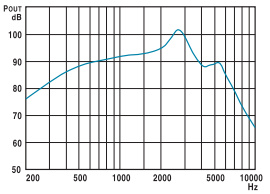
ANSI S3.22-1996 /IEC 118-7 2CC COUPLER TECHNICAL DATA

	CIC/ Mini Canal	Canal/ Half Shell	Full Shell	Full Shell Power
OSPL90				
Maximum	112 dB	113 dB	115 dB	122 dB
HFA	108 dB	109 dB	110 dB	119 dB
at 1.6 kHz	106 dB	107 dB	108 dB	121 dB
Full on Gain				
(input 50 dB)				
Maximum	40 dB	48 dB	50 dB	60 dB
HFA	33 dB	41 dB	42 dB	53 dB
at 1.6 kHz	32 dB	40 dB	40 dB	56 dB
Basic Frequency Response				
(based on full shell 118/50)				
Frequency Range (Hz)	200- 7000	200- 7100	200- 6500	200- 5600
Reference Test Gain (ANSI 1996)	31 dB	32 dB	33 dB	42 dB
Induction Coil Sensitivity				
(ANSI 1996, 31.6 mA/m)				
(based on full shell 118/50)				
HFA SPLITS	91 dB	92 dB	94 dB	102 dB
STS	0 dB	0 dB	1 dB	0 dB
Current Drain at RTG	1.0 mA	1.1 mA	1.1 mA	1.1 mA
Battery Size	10A	312	13	13
Typical Battery Life	90 h	135 h	260 h	260 h
Equivalent Input Noise at RTG	22 dB	22 dB	22 dB	22 dB
Total Harmonic Distortion				
at 500 Hz	1.0%	1.5%	1.0%	1.0%
at 800 Hz	0.5%	1.5%	0.5%	0.5%
at 1600 Hz	0.5%	1.5%	0.5%	0.5%
EMC immunity by IEC 118-13, Field Strength 75/50 V/m, Omni mode				
IRIL Low/High band dB SPL	37/38	38/38	36/40	38/38









- Full Shell Power
- Full Shell
- Canal
- Mini Canal/CIC

Test Conditions:

Battery: 10/312/13

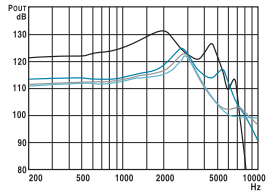
Source: Voltage 1.3 V

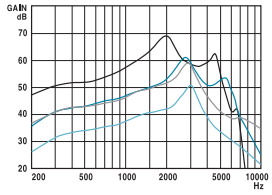
Vent: Closed at canal end

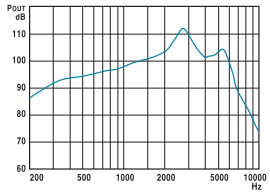
The measurement data obtained with hearing aid set to omni mode with all adaptive features disabled.

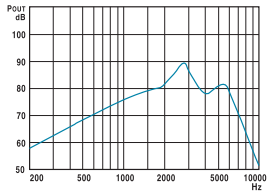
IEC 118-0 OES COUPLER TECHNICAL DATA

	CIC/ Mini Canal	Canal/ Half Shell	Full Shell	Full Shell Power
OSPL90				
Maximum	122 dB	123 dB	125 dB	131 dB
Output at 1.6 kHz	114 dB	115 dB	116 dB	130 dB
Full on Gain				
(input 50 dB)				
Maximum	51 dB	58 dB	60 dB	70 dB
at 1.6 kHz	40 dB	49 dB	50 dB	64 dB
Basic Frequency Response				
(based on full shell 118/50)				
Frequency Range in Hz (DIN)	200- 7600	200- 8000	200- 7100	200- 5300
Reference Test Gain	33 dB	39 dB	40 dB	54 dB
Induction Coil Sensitivity				
(1 mA/m)				
(based on full shell 118/50)				
Maximum	80 dB	89 dB	90 dB	100 dB
at 1.6 kHz	70 dB	79 dB	80 dB	96 dB
Current Drain at RTG	1.0 mA	1.0 mA	1.0 mA	1.1 mA
Battery Size	10A	312	13	13
Typical Battery Life	90 h	150 h	290 h	260 h
Equivalent Input Noise at RTG	21 dB	21 dB	21 dB	21 dB
Total Harmonic Distortion				
at 500 Hz	1.5%	1.5%	1.0%	1.5%
at 800 Hz	1.0%	1.5%	0.5%	1.0%
at 1600 Hz	1.0%	1.0%	0.5%	1.0%
EMC immunity by IEC 118-13, Field Strength 75/50 V/m, Omni mode				
IRIL Low/High band dB SPL	37/38	38/38	36/40	38/38









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

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