



ACI 33



-Configurable parametric filter -128 bands Noise Reduction -12, 14 and 16 bands equalizer

-4. 6 and 8 channels of WDRC

system (not available on CIC) -Adaptive Directionality -Programmable Telecoil -On/Off switch if specified

-Automatic Adaptative Feedback Canceller -FrontWave™ 2-microphone Directionality

-Choice of styles: ITE, ITC, CIC or Open fit -Choix of color for faceplate/shell/casing -External Volume Controle on ITE and ITC if

-Occlusion manager

-Low-level expansion -voice enhancer -Peak smoother

specified

Ultimo is a high-end hearing aid conceived with emphasis on flexibility. It comes in three variations, Ultimo, Ultimo Plus and Ultimo Pro. All three are characterized by the ease with which they can address any need, thanks to their leading-edge adaptive algorithms. The Ultimo is based on the Voyageur[™] platform and the Ultimo Plus and Ultimo Pro are based on the Voyageur II[™]. Their unequalled performance offers a highly defined sound quality in addition to the advanced functions that give meaning to the word versatility. Ultimo Plus and Ultimo Pro each stand out with a greater number of channels and frequency bands, thus enabling them to better adapt to more complex hearing losses. They also sport a reduced current consumption, which directly translates in prolonged battery life. As always, the I-Fit, SAM (Situations Automated Manager) and PASS (Patient Assisted Solutions System) automated functions are present, thus making the fitting and troubleshooting steps easier and quicker processes. A product of over 40 years of Canadian creativity and expertise, the Ultimo line of products shall prove its effectiveness and adaptability.









Ultimo ITE

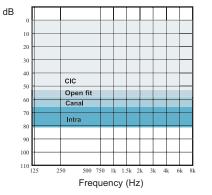
Ultimo ITC

Ultimo CIC

Ultimo Open fit

PERFORMANCE DATA	ANSI \$3.22-2003			
Styles	ITE- ITE P	ITC- ITC P	CIC - CIC P	Open fit
Saturation OSPL (dB)				
Peak	116 - 119	108 - 113	103 - 108	119
HFA	110 - 117	104 - 110	102 - 107	105
Gain SPL (dB)				
Peak	44 - 50	40 - 45	34 - 40	35
HFA	38 - 44	33 - 37	29 - 34	24
Reference Gain (dB)				
1 000 - 1 600 - 2 500 Hz	35 - 41	28 - 34	24 - 29	31
Frequency response (Hz)	200-6100	200-7500	200-6400	200-500
Total Harmonic Distortion (%)				
Input 70 dB @ 500 Hz	< 6	< 6	< 6	< 6
Input 70 dB @ 800 Hz	< 6	< 6	< 6	< 6
Input 70 dB @ 1 000 Hz	< 6	< 6	< 6	< 6
Battery life (h)				
13 ZA	256 - 233	-	-	-
312 ZA	149 - 139	155 - 146	-	-
10 ZA	-	91 - 83	108 - 103	92
Battery drain (mA)	1,21 - 1,33	1,16 - 1,26	0,97-1,01	1,15
Equivalen Input Noise (dB)	< 30	< 30	< 30	< 30
Attak time (ms)	Adjustable	Adjustable	Adjustable	Adjustable
Release time (ms)	Adjustable	Adjustable	Adjustable	Adjustable

Fitting Range



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-4 channels / 12 bands / 4 programs. -Advanced Adaptative Feedback Canceller -4-levels Advanced Noise Reduction -HRX (HeadRoom eXpander) -Frontwave[™] Directionality -Advanced Adaptive Directionality -Configurable Parametric Filter

-6 channels / 14 bands / 4 programs. -Superior Adaptative Feedback Canceller -4-levels Superior Noise Reduction. -HRX (HeadRoom eXpander) -Frontwave™ Directionality -Superior Adaptive Directionality -Configurable Parametric Filter -15% lower battery drain



-8 channels / 16 bands / 4 programs. -Superior Adaptative Feedback Canceller -4-levels Superior Noise Reduction. -HRX (HeadRoom eXpander) -FrontwaveTM Directionality -Superior Adaptive Directionality -Configurable Parametric Filter -15% lower battery drain

Hear the difference!

COMPRESSION FEATURES

-The Glo sets the gain/output level below the Tklo.

-The Gup sets the gain/output level above the Tkup.

-The Tklo moves diagonally along the linear trace, at a gain level set by Glo.

-The Tkup moves diagonally along the linear trace, at a gain level set by Gup.

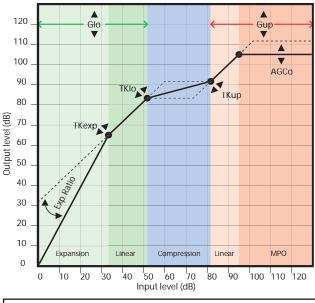
-The Tklo and Tkup allow for setting the width and ratio of the compression range. The Glo and Gup allow for setting its ratio only.

-If the Glo equals the Gup, the device is in linear mode, which renders variations of Tklo and Tkup without effect since they are now on the same linear trace.

-The Tkexp moves diagonally along the linear trace below Tklo, at a gain level set by Glo.

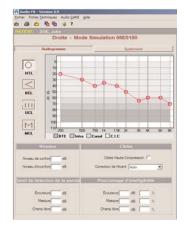
-The Expansion Ratio diminishes the gain for the softer sounds, below Tkexp level, at a ratio of 1:2.

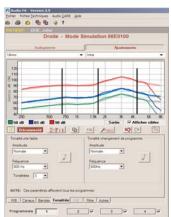
-The AGCo allows for diminishing the maximum output level from 0dB to 12dB bellow the saturation limit.

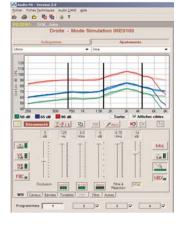


For a greater compression ratio, rise Glo or Tklo. For a lower compression ratio, rise Gup or Tkup.

AUDIOFIT FITTING TABS







ALCO CA

I-Fit Co ma

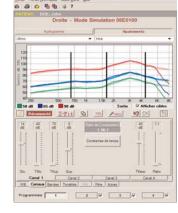
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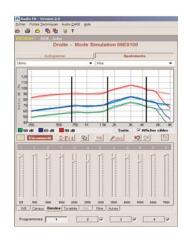
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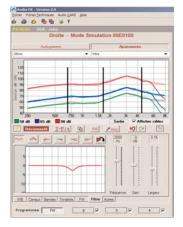
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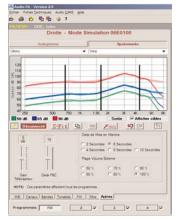
Hear the difference!

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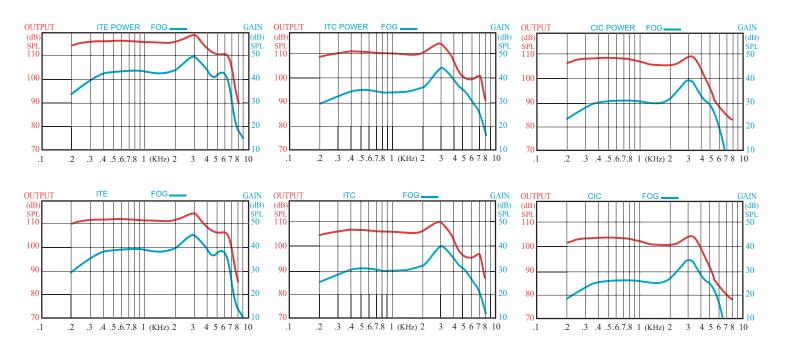
AVAILABLE ADJUSTMENTS SOFTWARE OVERVIEW

ULTIMO	SOFTWARE OVERVIEW		
Right - Ultimo Pro 08J0500 Hearing aid model, side and serial number (automatically detected).			
"Connected" establishes the link with the hearing aid.	Smooth out response peaks according to the hearing aid style.		
"Disconnected" disables communication and saves the hearing aid settings.	LOCUT LOW CUT filter. Allows to choose first or sec-		
I-Fit Automatically adjusts all parameters according to the targets.	Image:		
Allows copying adjustments from one program to another or an hearing aid to the other side.			
Adjusts parameters to obtain maximum power from the hearing aid.			
*PASS "Wizard provides solutions and applies them for frequently encountered problems.	V_{1} V_{2} V_{1} V_{4} Adjust Notch Filter width.		
Undo the last adjustment.	OdB		
Redo the last adjustment.	HRX Enable or disable Head Room eXpander to limit distortion for loud sounds.		
Displays the Input/Output curves and compression ratio.	Mic TC AD Allows to select the program's sound input device and mode.		
Glo Adjust soft sounds gain from -14db to 28dB. Adjust loud sounds gain from -14db to 28dB.	M+T ATC FW		
TKIo Adjust compression threshold for soft	Bands Access to the Graphic equalizer.		
sounds from 40dB to 70dB. sounds from 70dB to 104dB. Time constants Access to time constants adjustments (into each channel tab)	Tones Allows to choose the amplitude and frequency for low battery warnings and program changes.		
Channels The individual channel tabs gives access to all	Hearing aid output activated.		
the compression settings for that channel.			
Canal 1 Canal 2 Canal 3 Canal 4 Canal 5 Canal 6 Canal 7 Canal 8 Select channel into which to make compression adjust-	Allows to adjust all the parameters that perform changes in the entire frequency response curve.		
ments. (4 Ultimo, 6 Ultimo Plus and 8 Ultimo Pro)	Access and adjust complementary features.		
Access to Frontwave [™] directivity	Others Access and adjust complementary reatures.		
FBC Enable or disable the Adaptive Feedback Canceller	Filter Allows to build your own parametric filter.		
Programmes 1 2 V 3 V 4 V	VE VE VE VE Adjust Voice 0 dB 2 dB 4 dB 4 dB Adjust Voice		
Allows to choose different programs. Checked programs are accessible by the patient by means of the push button. Unchecked ones are disabled.	NR NR NR NR NR Adjust Noise Reduction level.		

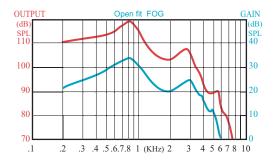
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ANSI S3.22 2003 DATA In-the-ear styles



ANSI S3.22 2003 DATA Open fit



Note: The red traces represent the maximum output levels and the blue traces represent the maximum gain levels. They are respectively analogous to the red and green traces in the Audiofit graphs when the hearing aid is Full-On (FOG).

Note: Each hearing aid is built considering the patient's audiogram. The data found within this document represent the maximum characteristics. These may vary according to order specifications and hearing aid style and shape. They are subject to change without notice.

