

Solo  
Digital



ACI 24



## DESCRIPTION

1 channel, 2 program digital hearing aid  
10 programmable parameters  
Stand alone software  
Faceplate: Pink, tan or brown  
Shell: Faceplate matching, red or blue color  
Microphone screen

### No charge options

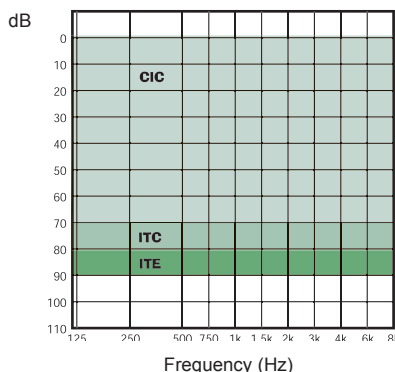
Multiprogram  
External volume control  
Iros  
Adjustable venting selection  
Bell canal  
Hypoallergenic  
Removal notches  
Wax guard  
On/Off switch

### Additional cost options

Programmable telecoil



## FITTING RANGE



Solo, our entirely digital hearing aid, combines Canadian technology and simplicity. To program its one channel, two programs and 10 parameters, takes only a few minutes. It is available in different models : ITE, ITC and CIC and includes a warning signal for low battery and a program change indicator. Our programmable telecoil ensures a clear understanding of any conversation. Our I-Fit system adjusts the hearing aid according to the audiogram. Our "PASS" Wizard (Patient Application Solutions System) is used to solve minor changes that may occur while programming the hearing aid. Our "SAM" system (Situations Automated Manager) gives environmental adaptability.



I.T.E.



I.T.C.



C.I.C.

PERFORMANCES DATA	ANSI S3.22-1987				IEC 118-7 1994			
	Typical			Limits	Typical			Limits
Styles	ITE	ITC	CIC		ITE	ITC	CIC	
SSPL Saturation (dB)								
Peak	116	114	109	±4	116	114	109	±4
HF-average	115	113	106	±4	-	-	-	-
SPL Gain (dB)								
Peak	55	50	45	±4	55	50	45	±4
HF-average	47	43	35	±4	-	-	-	-
Reference test gain (dB)								
1 000 - 1 600 - 2 500 Hz	38	33	29	±4	-	-	-	-
1 600 Hz	-	-	-	-	38	34	28	±4
Frequency response (Hz)	200-8000				-			
Total harmonic distortion (%)								
Input 70 dB @ 500 Hz	1,0	0,4	2,7	<8	-	-	-	-
Input 70 dB @ 800 Hz	0,8	0,7	2,8	<8	-	-	-	-
Input 70 dB @ 1 000 Hz	-	-	-	-	1,3	0,8	2,7	<8
Input 65 dB @ 1 600 Hz	1,2	0,5	3,5	<8	-	-	-	-
Battery life (hrs)								
13 ZA	206	-	-	-	222	-	-	-
312 ZA	103	114	-	-	111	125	-	-
10 ZA	-	57	70	-	-	63	71	-
Battery life (mA)	1,07	0,96	0,79	-	0,99	0,88	0,77	-
Equivalent input noise (dB)	23	26	27	<32	24	30	24	<35
Attack time (ms)	-				-			
Release time (ms)	-				-			

### Added features

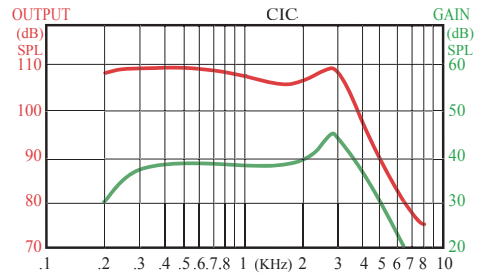
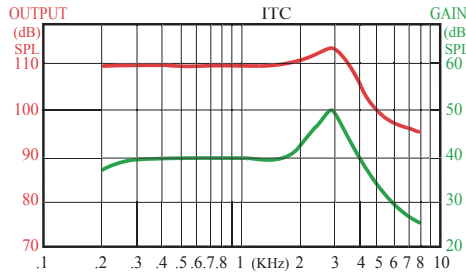
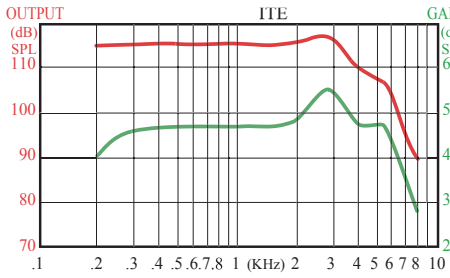
- Low battery indicator
- Program change indicator
- Expansion
- External volume control attenuation (0dB, -8dB, -16dB)

### Software features

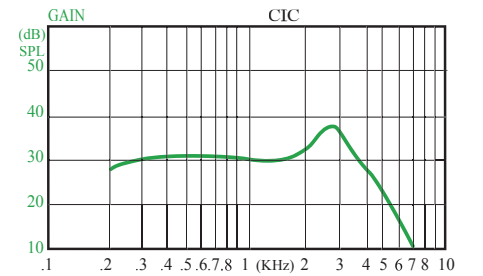
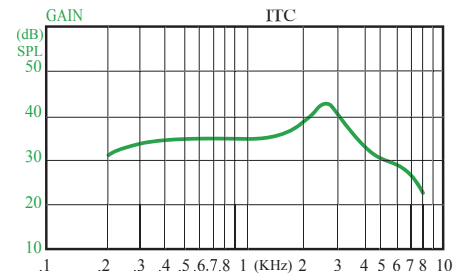
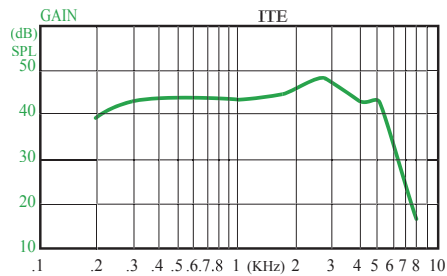
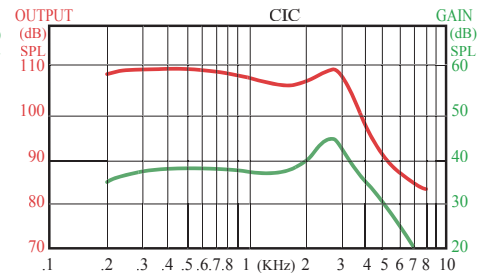
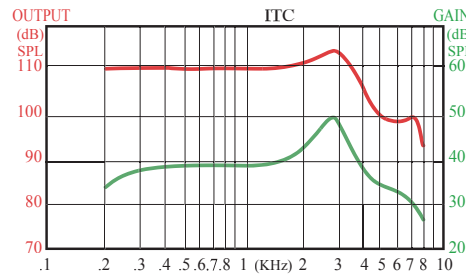
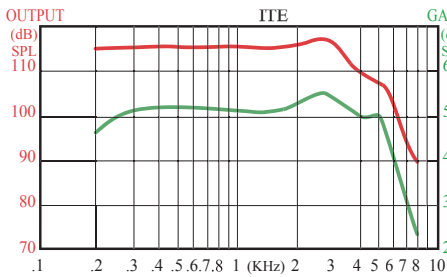
- I-Fit (Automatic adjustment)
- "PASS" Wizard (Patient Application Solutions System)
- FOG (Full On Gain)
- "SAM" System (Situations Automated System)

*Hear the difference!*

# ANSI S3.22 1987 DATA



# IEC 118-7 1994 DATA



Note: Every hearing aid is built according to the patient audiogram. The given data in this document represent maximal characteristics. They can vary according to the particularities of the order and the shape of the shell. They are also subject to changes without notice..



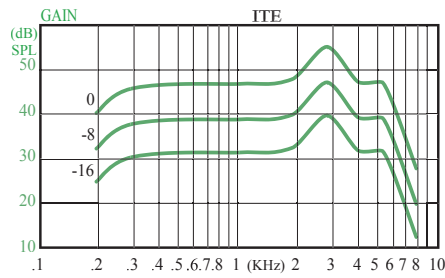
250, King E. Sherbrooke (Qc) Canada J1G 1A9  
 Tel.: 1 (800) 567-2711 / (819) 569-9986  
 Fax: (819) 823-6696  
<http://www.audiocontrole.com>



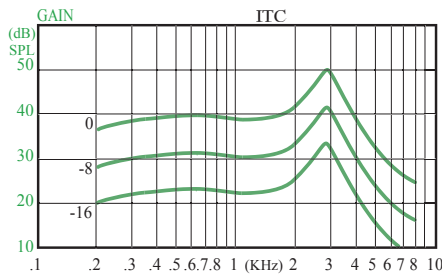
*Hear the difference!*

## 60 dB input curves

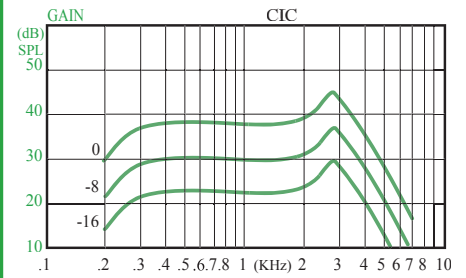
### 116dB output



### 114dB output



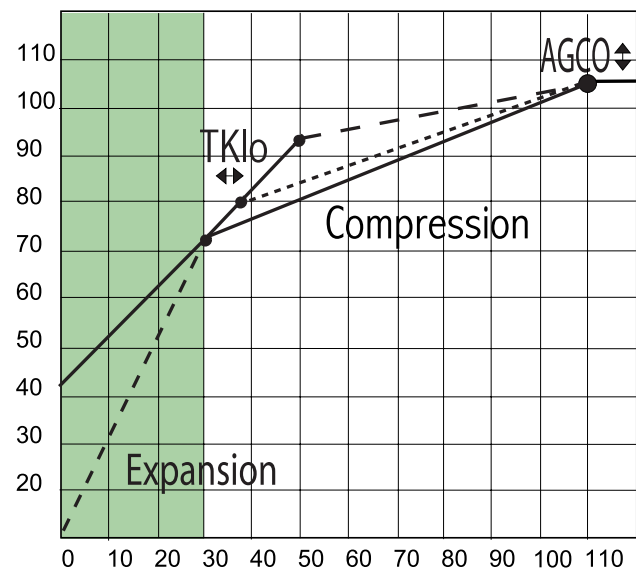
### 109 dB output



Note :-8, -16dB curves are added features for external volume control.

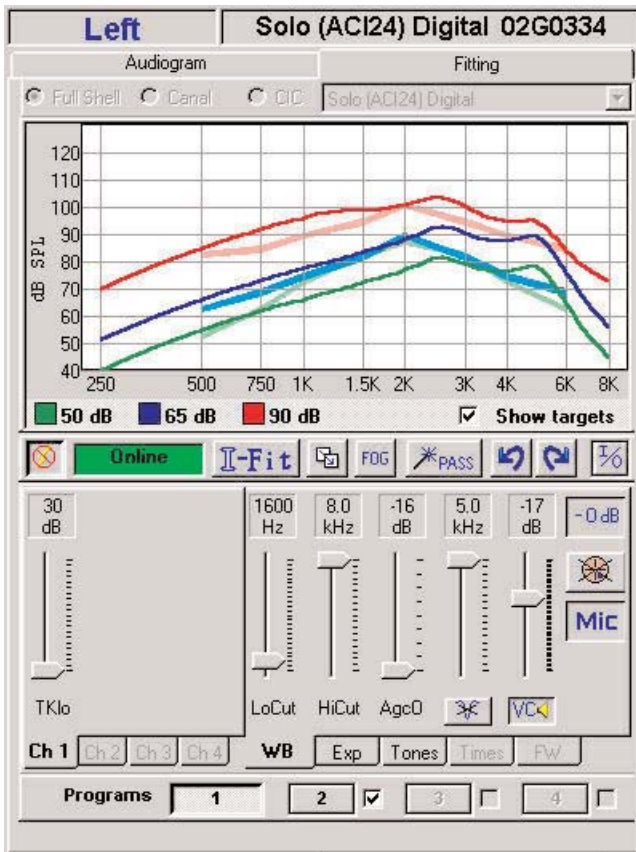
## COMPRESSION FEATURES

- Increase TKlo will increase compression ration.
- Decrease TKlo will decrease compression ratio.
- AGCO allows reduction of oputut level up to 16dB.



*Hear the difference!*

# AVAILABLE ADJUSTEMENTS



**Ch 1** Allows to select and adjust parameters for each channel.

**TKlo** Adjusts lower compression threshold from 30dB to 70dB.

**WB** Gives access to parameters that perform changes on the entire frequency response curve.

**Exp** Allows to activate and deactivate expansion or to select automatic mode.

**Tone** Allows to choose the signal amplitude of the low battery and program change indicator.

**Programs** 1 2 3 4

Allows to choose different programs. To activate programs, click the appropriate box.

**Solo (ACI24) Digital 02G0334** Model and serial number of the Hearing Aid (detected automatically).

- "Connected", establishes the link with the hearing aid.
- "Disconnected", disables communication and saves the hearing aid settings.

**I-Fit** Adjusts parameters according to the targets.

Allows copying adjustments from one program to another.

**FOG** Adjusts parameters to obtain maximum power from the hearing aid.

**PASS** 'PASS' Wizard providing solutions and applies them for frequently encountered problems.

Undo the last adjustment.

Redo the last adjustment.

Displays output curves and compression ratio.

**-0 dB** **-8 dB** **-16 dB** Matrix choices. Intended to work with the external volume control.

**Mic** **TC** Program mode.

**LoCut** Filter that cuts low frequencies, varying from 125Hz to 2000Hz.

**HiCut** Filter that cuts high frequencies, varying from 1000Hz to 8000Hz.

**AgcD** Output compression circuit that limits the output from 0 to -16dB.

The notch produces no effect on the response frequency curve.

Introduces a 6dB notch on the response frequency curve.

**VCC** Activates software volume control.

**VCC** Mutes hearing aid.

Activates, deactivates external volume.

*Hear the difference!*