

Beltone Trust™



TSTCIC

Product Description

Completely-in-the-Canal (CIC) hearing aids are available in 4 power levels: Low (LP), Medium (MP), High (HP) and Ultra (UP).

Sound processing done by Beltone's Dual Processing platform delivers an outstanding sound quality.

The CIC models feature options for push button and volume control.

Beltone Trust CIC hearing aid components and faceplates are HPF⁸⁰ NanoBlock coated for optimum durability.

Model	TST17CIC*	TST9CIC**	TST6CIC***
Device Features			
Battery size	10A		
Power levels	LP, MP, HP & UP		
Colors available	5		
Audiological Features			
Curvilinear Rapid (WDRC) - number of channels	17	14	12
Smart Gain Pro	●	-	-
Smart Gain	-	●	-
Sound Cleaner Pro	●	○	-
Sound Cleaner	-	-	●
Silencer	●	●	●
Sound Shifter	●	●	●
Feedback Eraser with WhistleStop	●	-	-
Feedback Eraser	-	○	○
AFX Music Mode	●	●	●
Satisfy	●	●	●
Low Frequency Boost (Only UP)	●	●	○
Amplification Strategy (WDRC/Semi-linear/Linear - Only UP)	●	●	○
Tinnitus Breaker Pro	●	●	●
Functional Features			
Delayed Activation	●	●	●
Auto-Phone	●	●	●
Fitting Features			
Beltone Solus Max1.0 or higher	●	●	●
Fully Flexible Programs	4	4	4
Safeguard Feedback Control	●	●	●
Satisfaction Journal	●	●	●

*TST17CIC-UP, TST17CIC-HP, TST17CIC-MP, TST17CIC-LP

**TST9CIC-UP, TST9CIC-HP, TST9CIC-MP, TST9CIC-LP

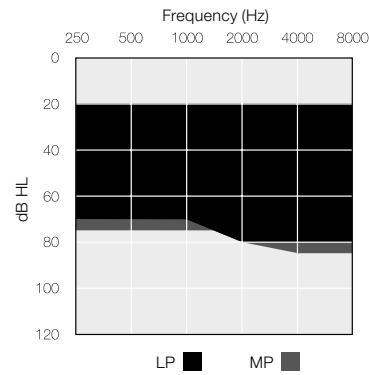
***TST6CIC-UP, TST6CIC-HP, TST6CIC-MP, TST6CIC-LP

○ Basic Settings

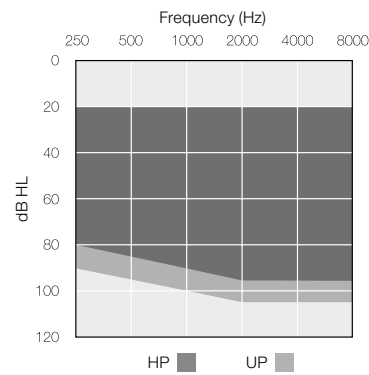
● Advanced Settings

● Ultimate Settings

Fitting Range - Closed



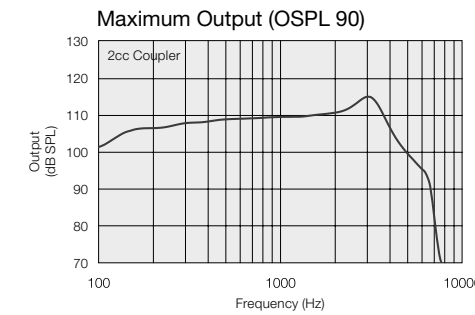
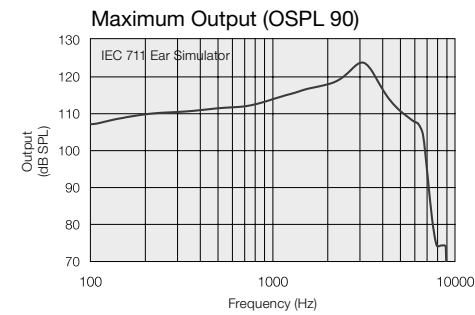
Fitting Range - Closed



Technical Specifications

		TSTCIC (LP)		
		IEC 60118-0 2nd Ed. IEC 711 Ear simulator	ANSI S3.22 2cc coupler	
Reference test gain (60 dB SPL input)	1600 Hz/HFA	33	33	dB
Full-on gain (50 dB SPL input)	Max.	49	40	dB
	1600 Hz/HFA	43	38	
Maximum output (90 dB SPL input)	Max.	124	115	dB SPL
	1600 Hz/HFA	117	110	
Total harmonic distortion	500 Hz	0.4	0.6	%
	800 Hz	0.7	0.6	
	1600 Hz	0.8	1.0	
Telecoil sensitivity (1 mA/m input)	Max.	N/A	N/A	dB SPL
	HFA - SPLIV @ 31.6 mA/m (ANSI)	HFA	N/A	
Full-on telecoil sensitivity @ 1mA/m	1600 Hz/HFA	N/A	N/A	
Equivalent input noise		22	21	dB SPL
Frequency range (DIN 45605/ANSI)		100-7120	100-6960	Hz
Current drain		1.1	1.2	mA

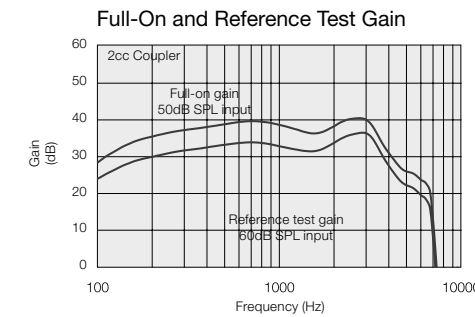
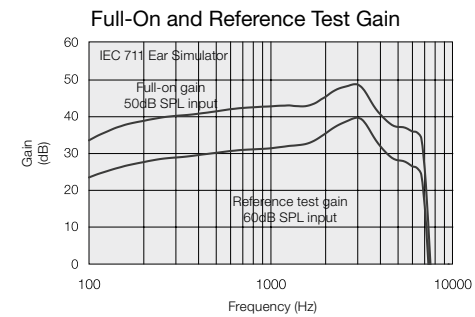
Data in accordance with IEC60118-0 Edition3.0 2015-06, IEC60118-7 and ANSI S3.22-2009, supply Voltage 1.3V



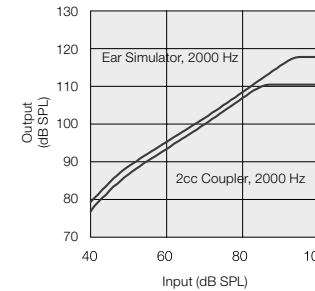
Notes:
O.E.S. = Occluded Ear Simulator
2cc = 2 cm³ coupler
Pi = Acoustic input signal

Basic settings:
Full-on Gain, Reference Test Gain
MPO = Maximum Power Output
Maximum Band Width

Measured according to IEC60118-0 Edition3.0 2015-06 at 1.3 V, impedance 6.2 ohms and 23°C on 2cc coupler. Resp. on 2cc according to IEC60118-7 Second edition 2005-10 and ANSI/ASA S3.22-2009 (HFA average calculated at 1000 Hz, 1600 Hz and 2500 Hz; 0 dB SPL sound pressure equals 20µPa). All measurements without DSP features activated unless indicated otherwise. Measurement on O.E.S according to IEC711 1981. According to IEC60118-0 Edition 2 1983 and amendment 1 1994



Input/Output Response



Patents pending

All specifications are subject to change without notice

40064-3011US-17.02-Rev.B

Manufacturer according to FDA:
Beltone
8001 E. Bloomington Freeway
Bloomington, MN 55420 - 1036
1-800-BELTONE

Manufacturer according to Health Canada:
Beltone Canada
301 Superfest Road
Toronto, Ontario, M3J 2M4
1-800-387-3744



Technical Specifications

		TSTCIC (MP)		
		IEC 60118-0 2nd Ed. IEC 711 Ear simulator	ANSI S3.22 2cc coupler	
Reference test gain (60 dB SPL input)	1600 Hz/HFA	40	36	dB
Full-on gain (50 dB SPL input)	Max.	59	50	dB
	1600 Hz/HFA	50	45	
Maximum output (90 dB SPL input)	Max.	127	119	dB SPL
	1600 Hz/HFA	121	113	
Total harmonic distortion	500 Hz	0.5	0.7	%
	800 Hz	0.9	0.8	
	1600 Hz	1.0	0.9	
Telecoil sensitivity (1 mA/m input)	Max.	N/A		dB SPL
HFA - SPLIV @ 31.6 mA/m (ANSI)	HFA		N/A	
Full-on telecoil sensitivity @ 1mA/m	1600 Hz/HFA	N/A	N/A	
Equivalent input noise		24	21	dB SPL
Frequency range (DIN 45605/ANSI)		100-7170	100-7110	Hz
Current drain		1.1	1.3	mA

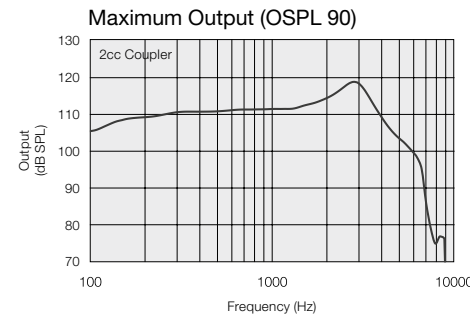
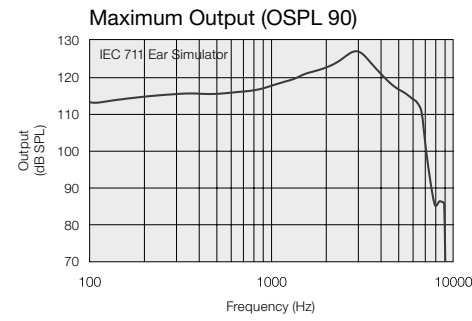
Data in accordance with IEC60118-0 Edition3.0 2015-06
IEC60118-7 and ANSI S3.22-2009, supply voltage 1.3V

Technical Specifications

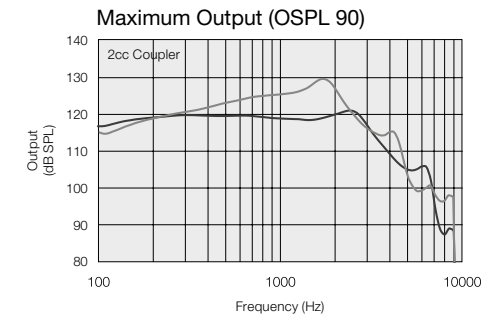
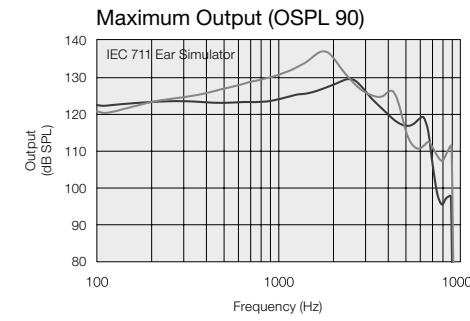
		TSTCIC (HP)		TSTCIC (UP)		
		IEC 60118-0 2nd Ed. IEC 711 Ear simulator	ANSI S3.22 2cc coupler	IEC 60118-0 2nd Ed. IEC 711 Ear simulator	ANSI S3.22 2cc coupler	
Reference test gain (60 dB SPL input)	1600 Hz/HFA	47	43	59	49	dB
Full-on gain (50 dB SPL input)	Max.	69	60	79	70	dB
	1600 Hz/HFA	59	54	70	63	
Maximum output (90 dB SPL input)	Max.	130	121	137	130	dB SPL
	1600 Hz/HFA	126	120	136	125	
Total harmonic distortion	500 Hz	0.6	0.4	0.5	0.5	%
	800 Hz	1.3	0.7	1.4	1.0	
	1600 Hz	0.8	0.5	0.4	0.2	
Telecoil sensitivity (1 mA/m input)	Max.	N/A		N/A		dB SPL
HFA - SPLIV @ 31.6 mA/m (ANSI)	HFA		N/A		N/A	
Full-on telecoil sensitivity @ 1mA/m	1600 Hz/HFA	N/A	N/A	N/A	N/A	
Equivalent input noise		22	20	24	20	dB SPL
Frequency range (DIN 45605/ANSI)		100-6930	100-6770	140-4720	100-4700	Hz
Current drain		1.2	1.2	1.1	1.1	mA

Data in accordance with IEC60118-0 Edition3.0 2015-06
IEC60118-7 and ANSI S3.22-2009, supply voltage 1.3V

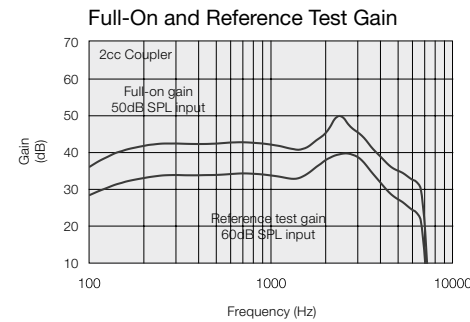
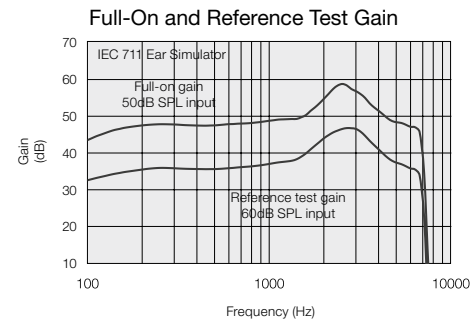
Patents pending



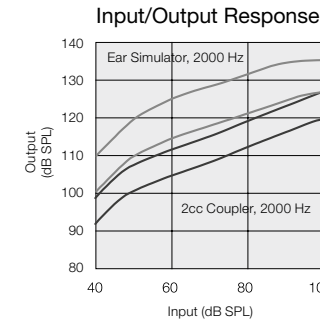
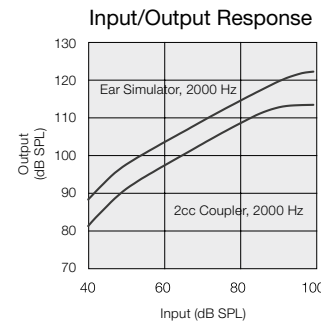
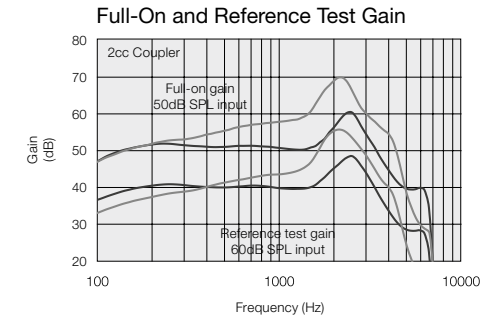
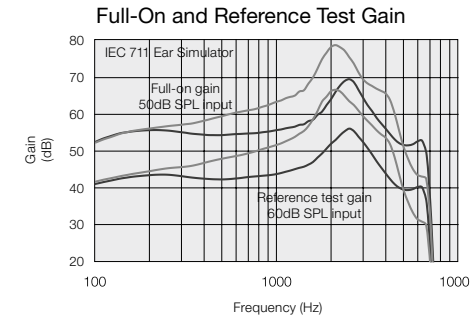
Patents pending



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HP ■
UP ■