

Beltone Trust™

Product Description

Microphone-in-Helix (MIH) 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 outstanding sound quality.

The 5th generation 2.4 GHz wireless functionality allows cloud connectivity with Beltone Remote Care™ and features Bluetooth® 4.0, allowing the hearing aids to communicate with each other and to connect to iPhone®, iPad®, iPod touch®, and select Android™ models*.

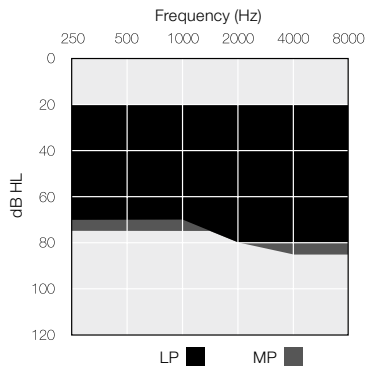
With Beltone Remote Care™, Beltone Trust™ brings an entirely new level of connectivity to the relationship between the end user and the hearing care practitioner.

The MIH models feature options for wireless or non-wireless functionality, push button, volume control, and telecoil**.

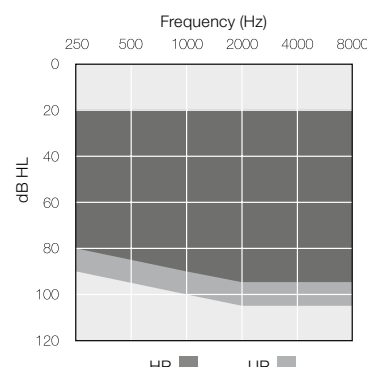
Beltone Trust MIH hearing aid components and faceplates are HPF[®] NanoBlock coated for optimum durability.

*Android connection through Beltone HearMax app.
**Telecoil is not available on LP models

Fitting Range - Closed



Fitting Range - Closed



TST MIH

Model	TST17MIH*	TST9MIH**	TST6MIH***
Device Configurations			
Battery size	312 and 13		
Power levels	LP, MP, HP & UP		
Colors available	5		
Audiological Features			
Curvilinear Rapid (WDRRC) - 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	●	●	●
Synchronized Satisfy	●	●	●
Low Frequency Boost (Only UP)	●	●	○
Amplification Strategy (WDRRC/Semi-linear/Linear -Only UP)	●	●	⊙
Tinnitus Breaker Pro	●	●	●
Functional Features			
Synchronized Push Button	●	●	●
Synchronized Volume Control****	●	●	●
Delayed Activation	●	●	●
Auto-Phone	●	●	●
Asymmetric Phone Handling	●	●	●
Ear to Ear Communication	●	●	●
Direct audio streaming (Made for iPhone)	●	●	●
Beltone Direct TV Link 2, myPAL Pro and Micro, Phone Link 2 & Remote Control 2.	●	●	●
Beltone SmartRemote app (Phone Link 2 is required)	●	●	●
Beltone HearMax app	●	●	●
Beltone Remote Care™			
Remote Fine-Tuning	●	●	●
Remote Firmware Updates	●	●	●
Fitting Features			
Beltone Solus Max 1.0 or higher	●	●	●
Fully Flexible Programs	4	4	4
Safeguard Feedback Control	●	●	●
Satisfaction Journal	●	●	●
Wireless Fitting with Airlink2™/Noahlink Wireless	●	●	●
*TST17MIH-W-UP, TST17MIH-W-HP, TST17MIH-W-MP, TST17MIH-W-LP, TST17MIH-UP, TST17MIH-HP, TST17MIH-MP, TST17MIH-LP			
**TST9MIH-W-UP, TST9MIH-W-HP, TST9MIH-W-MP, TST9MIH-W-LP, TST9MIH-UP, TST9MIH-HP, TST9MIH-MP, TST9MIH-LP			
***TST6MIH-W-UP, TST6MIH-W-HP, TST6MIH-W-MP, TST6MIH-W-LP, TST6MIH-UP, TST6MIH-HP, TST6MIH-MP, TST6MIH-LP			
**** Also including functionality for synchronized Push Button Volume Control			

○ Basic Settings

⊙ Advanced Settings

● Ultimate Settings

Patents pending

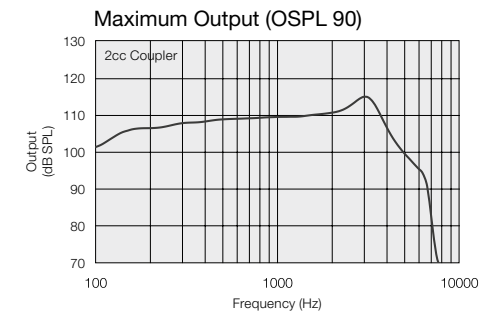
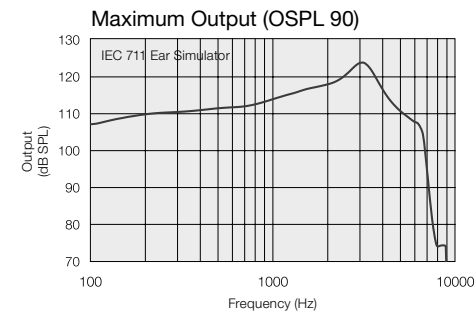
All specifications are subject to change without notice

400642011US-17.02-Rev.B

Technical Specifications

		TSTMIH (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	1.3	mA

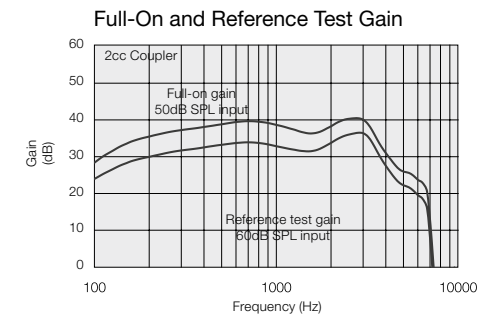
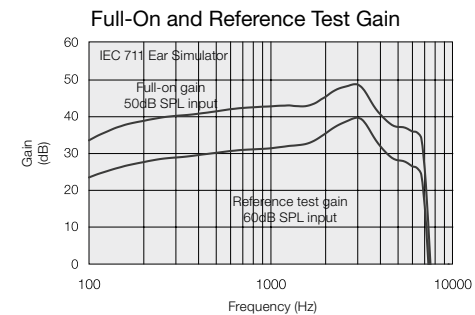
Data in accordance with IEC60118-0 Edition3.0 2015-06, IEC60118-7 and ANSI S3.22-2009, supply Voltage 1.3V



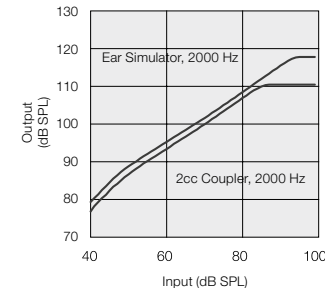
Notes:
O.E.S. = Occluded Ear Simulator
2cc = 2 cm³ coupler
Pi = Acoustic input signal

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



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



Beltone Trust™ is compatible with iPhone 7 Plus, iPhone 7, iPhone 6s Plus, iPhone 6s, iPhone 6 Plus, iPhone 6, iPhone SE, iPhone 5s, iPhone 5c, iPhone 5, iPad Pro (12.9-inch), iPad Pro (9.7-inch), iPad Air 2, iPad Air, iPad mini 4, iPad mini 3, iPad mini 2, iPad mini, iPad (4th generation), iPod touch (6th generation) and iPod touch (5th generation) using iOS 8.X or later. Apple, the Apple logo, iPhone, iPad Pro, iPad Air, iPad mini, iPad and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. Android is a trademark of Google Inc.

Technical Specifications

		TSTMIH (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.	88		dB SPL
	HFA - SPLIV @ 31.6 mA/m (ANSI)	HFA	96	
Full-on telecoil sensitivity @ 1mA/m	1600 Hz/HFA	81	74	
Equivalent input noise		24	21	dB SPL
Frequency range (DIN 45605/ANSI)		100-7170	100-7110	Hz
Current drain		1.1	1.3	mA

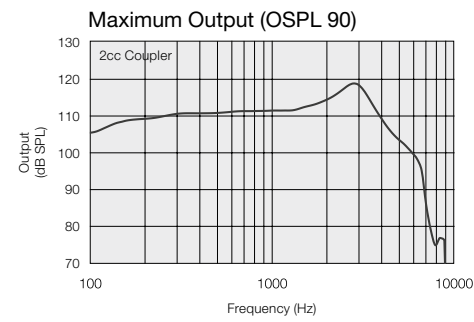
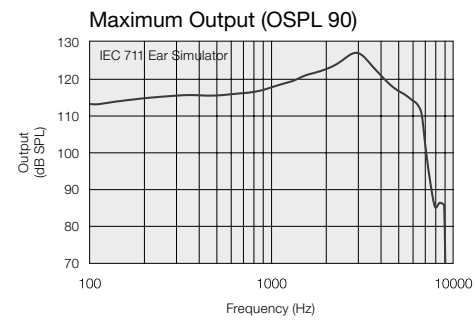
Data in accordance with IEC60118-0 Edition 3.0 2015-06, IEC60118-7 and ANSI S3.22-2009, supply voltage 1.3V

Technical Specifications

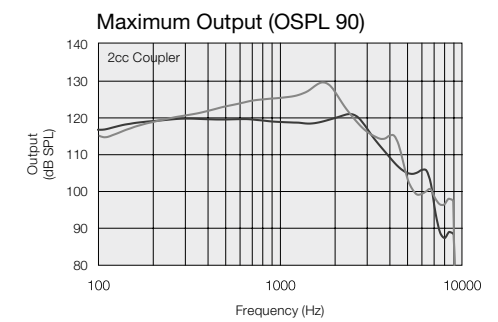
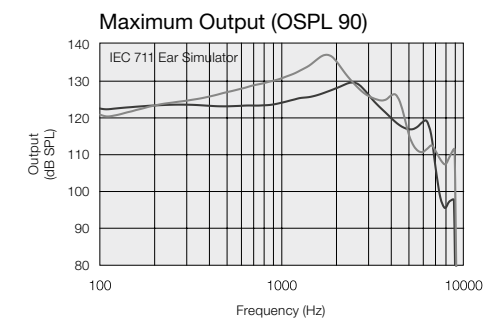
		TSTMIH (HP)		TSTMIH (UP)		
		IEC 60118-0 2nd Ed. IEC 711 Ear simulator	ANSI S3.22 2cc coupler	IEC 60118-0 2nd Ed. IEC 711 Ear simulator	ANSI S3.22 2cc coupler	
Reference test gain (60 dB SPL input)	1600 Hz/HFA	47	43	59	49	dB
Full-on gain (50 dB SPL input)	Max.	69	60	79	70	dB
	1600 Hz/HFA	59	54	70	63	
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.	98		106		dB SPL
	HFA - SPLIV @ 31.6 mA/m (ANSI)	HFA	103	109		
Full-on telecoil sensitivity @ 1mA/m	1600 Hz/HFA	88	83	99	93	
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	1.3	1.1	1.2	mA

Data in accordance with IEC60118-0 Edition 3.0 2015-06, IEC60118-7 and ANSI S3.22-2009, supply voltage 1.3V

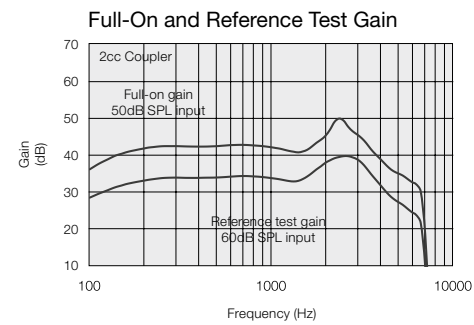
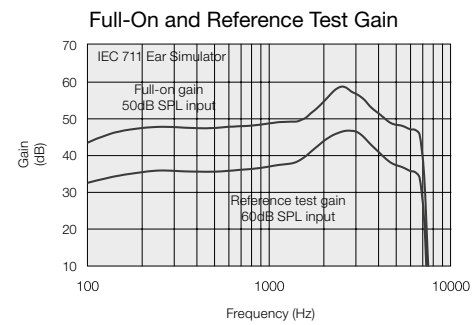
Patents pending



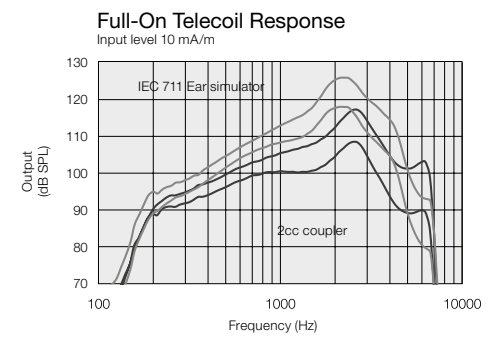
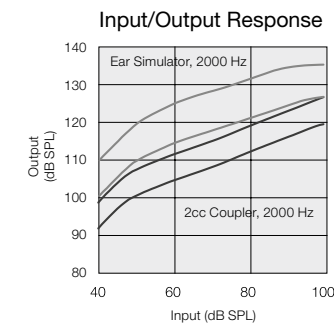
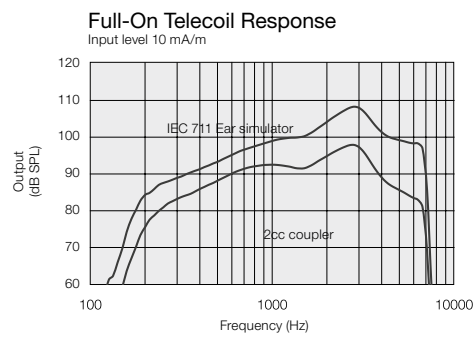
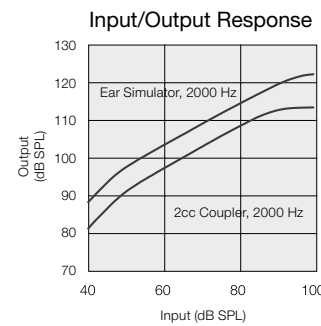
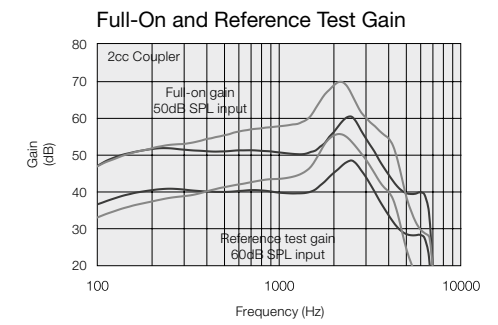
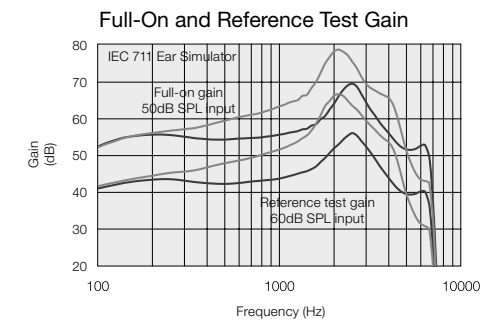
Patents pending



All specifications are subject to change without notice



All specifications are subject to change without notice



HP ■
UP ■