

# Beltone Trust™



## Product Description

Mic-in-Helix 10A battery size (MIH-S) 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 MIH-S models feature options for push button and volume control.

Beltone Trust MIH-S hearing aid components and faceplates are HPF<sup>80</sup> NanoBlock coated for optimum durability.

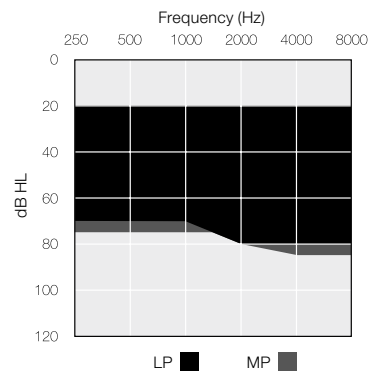
Model	TST17MIH-S*	TST9MIH-S**	TST6MIH-S***
<b>Device Configurations</b>			
Battery size	10A		
Power levels	LP, MP, HP & UP		
Colors available	5		
<b>Audiological Features</b>			
Curvilinear Rapid (WDRG) - number of channels	17	14	12
Smart Gain Pro	●	-	-
Smart Gain	-	●	-
Sound Cleaner Pro	●	⊙	-
Sound Cleaner	-	-	●
Silencer	●	●	●
Sound Shifter	●	●	●
Feedback Eraser with WhistleStop	●	-	-
Feedback Eraser	-	⊙	○
AFX Music Mode	●	●	●
Satisfy	●	●	●
Low Frequency Boost (Only UP)	●	●	○
Amplification Strategy (WDRG/Semi-linear/Linear - only UP)	●	●	⊙
Tinnitus Breaker Pro	●	●	●
<b>Functional Features</b>			
Delayed Activation	●	●	●
Auto-Phone	●	●	●
<b>Fitting Features</b>			
Beltone Solus Max 1.0 or higher	●	●	●
Fully Flexible Programs	4	4	4
Safeguard Feedback Control	●	●	●
Satisfaction Journal	●	●	●
*TST17MIH-S-UP, TST17MIH-S-HP, TST17MIH-S-MP, TST17MIH-S-LP			
**TST9MIH-S-UP, TST9MIH-S-HP, TST9MIH-S-MP, TST9MIH-S-LP			
***TST6MIH-S-UP, TST6MIH-S-HP, TST6MIH-S-MP, TST6MIH-S-LP			

○ Basic Settings

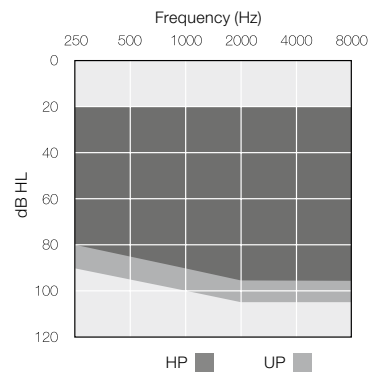
⊙ Advanced Settings

● Ultimate Settings

### Fitting Range - Closed



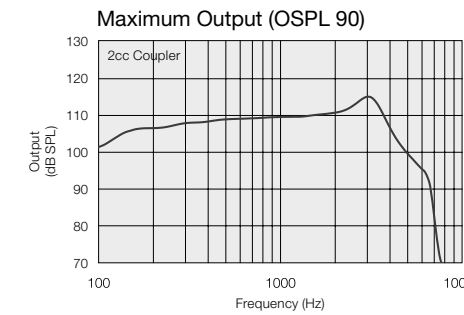
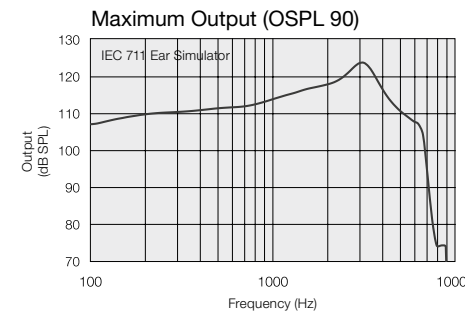
### Fitting Range - Closed



## Technical Specifications

		TSTMIH-S (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

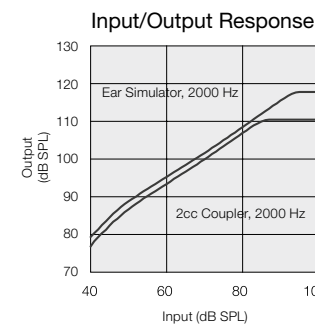
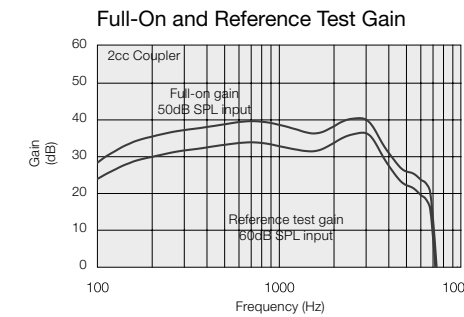
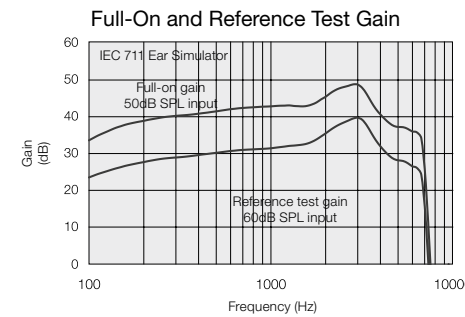
Data in accordance with IEC60118-0 Edition3.0 2015-06, IEC60118-7 and ANSI S3.22-2009, supply Voltage 1.3V



**Notes:**  
O.E.S. = Occluded Ear Simulator  
2cc = 2 cm<sup>3</sup> 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



Patents pending

All specifications are subject to change without notice

400645011US-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

		TSTMIH-S (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

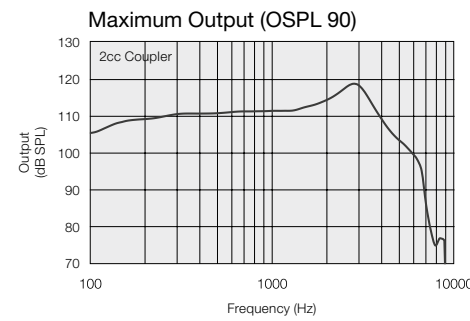
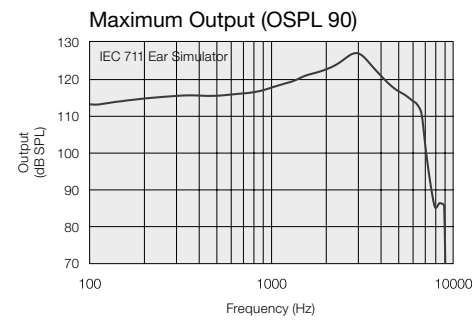
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## Technical Specifications

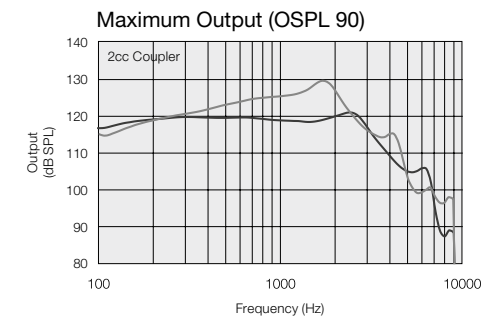
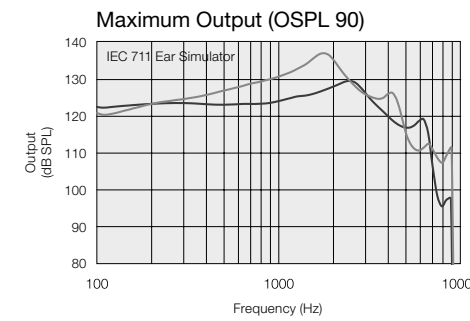
		TSTMIH-S (HP)		TSTMIH-S (UP)		
		IEC 60118-0 2nd Ed. IEC 711 Ear simulator	ANSI S3.22 2cc coupler	IEC 60118-0 2nd Ed. IEC 711 Ear simulator	ANSI S3.22 2cc coupler	
Reference test gain (60 dB SPL input)	1600 Hz/HFA	47	43	59	49	dB
Full-on gain (50 dB SPL input)	Max.	69	60	79	70	dB
	1600 Hz/HFA	59	54	70	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	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

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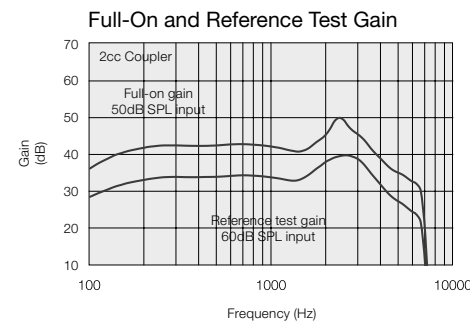
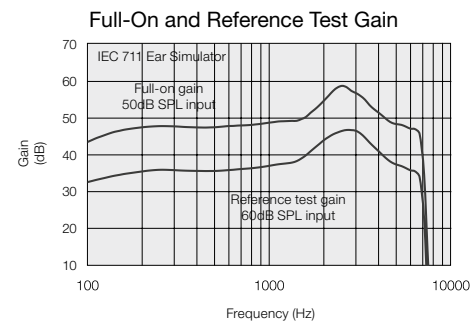
Patents pending



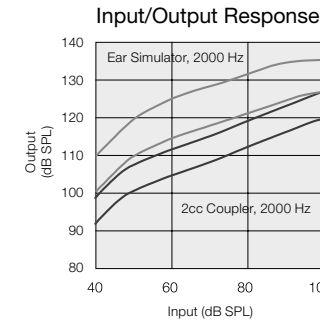
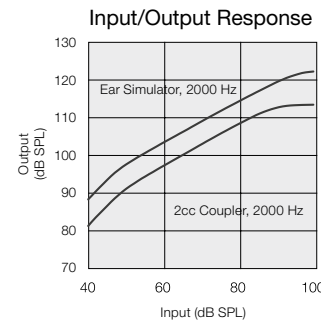
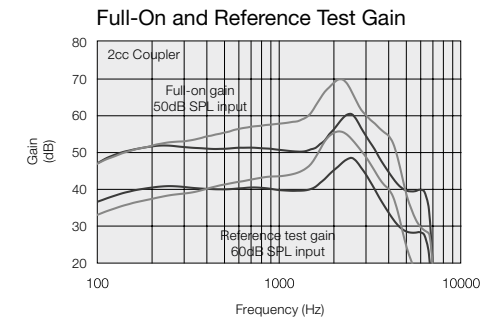
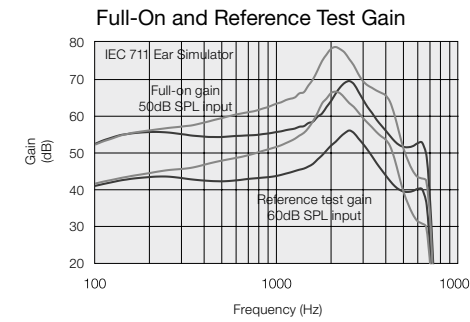
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HP ■  
UP ■