



T Insera Pro, T Insera 800, T Insera 700, T Insera 600, T Insera 500 ITE hearing aid series



SoundCore

		T Pro	T 800	T 700	T 600	T 500
SoundNav	Music	•	•			
	Noise	•	•	•		
	Conversation in a crowd	•	•	•		
	Conversation in a small group	•	•	•		
	Conversation in quiet	•	•	•	•	
	Conversation in noise	•	•	•	•	
	Quiet	•	•	•	•	
	Total environments	7	7	6	3	AutoMic
SpeechPro	SpeechPro	•	SpeechZone 2	SpeechZone		
	Speech Locator	•	•	•		
	Speech Focus	•				
	Dynamic Spatial Awareness	•				
Sound Conductor	Speech enhancement	•	•	•	•	•
	Noise reduction	•	•	•	•	•
	Adaptive directionality	Multiband	Multiband	Multiband	Multiband	•
Spatial Awareness	Spatial Awareness	Dynamic	Personalized	•		
	Pinna Effect	•	•	•	•	•

Sound Stabilization

	AntiShock 2	•	•	•	•	•
	Wind control	•	•	•	•	•
	Feedback manager	•	•	•	•	•
	Natural Sound Balance	•	•	•	•	•

Experience innovations

Patient insights	Log It All	•	•	•	•	•
	Patient Ratings	•	•	•	•	•
	Data logging	•	•	•	•	•
Flex	Flex:upgrade		•	•	•	•

Convenience

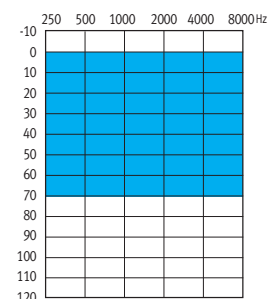
	DuoLink	•	•	•	•	•
	Telecoil and Easy-t	•	•	•	•	•
	Binaural Phone	•	•	•	•	

Fitting

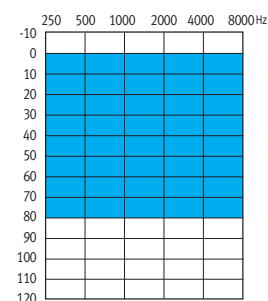
	Automatic Adaptation Manager	•	•	•	•	•
	MyMusic	Binaural	Binaural	•	•	•
	Frequency compression	•	•	•	•	•
	Tinnitus masker	•	•	•	•	•
	IntelliVent	•	•	•	•	•
	Streaming programs	•	•	•	•	•
	Manual programs	•	•	•	•	•
	NAL-NL2/NL1 and DSLv5	•	•	•	•	•
	Fitting channels	20	20	16	10	6

Battery size	Microphone	Wireless
13	Directional	Yes
312	Directional	Yes
312	Omni	N/A
10A	Directional	Yes
10A	Omni	Optional

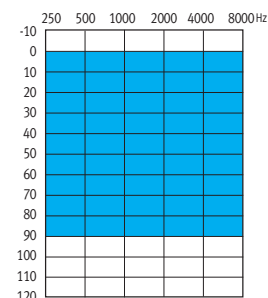
Fitting guides



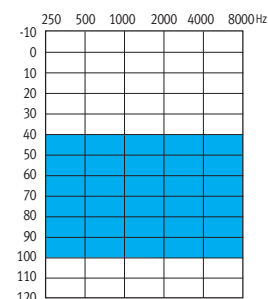
Moderate



Power



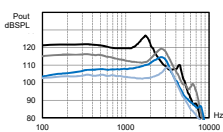
High power



Super power

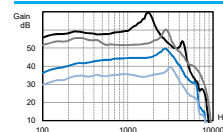
Some features are limited to directional ITE products only.

ANSI 3.22 2014/IEC 60118-o: 2015 2cc coupler technical data



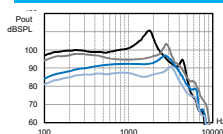
OSPL90

Maximum (dB SPL)	109	115	119	127
HFA - OSPL90 (dB SPL)	103	111	114	120



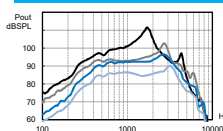
Full on gain (input 50 dB SPL)

Maximum (dB)	40	50	60	70
HFA - FOG (dB)	35	46	54	62



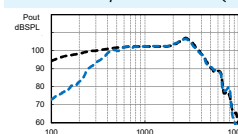
Reference test setting (RTS)

Frequency range (Hz)	<100 - 7000	<100 - 6700	<100 - 7000	<100 - 5200
Reference test gain (dB)	26	34	37	43
Current drain at RTS (mA) (Wireless)	1.2	1.2	1.2	1.1
Typical battery life (h) 10A/312/13 (Wireless)	80/150/260	80/150/260	80/150/260	--/160/280
Current drain at RTS (mA) (Non-Wireless)	0.95	1.0	0.95	N/A
Typical battery life (h) 10A/312/13 (Non-Wireless)	110/190/--	100/180/--	110/190/--	N/A
Equivalent input noise at RTS (dB SPL)	19	19	19	19
Total harmonic distortion at 500 Hz/800 Hz/1600 Hz (%)	1.0/1.5/1.0	1.0/1.0/1.0	1.0/1.0/1.0	1.0/1.0/1.0



Induction coil sensitivity (31.6 mA/m)

HFA SPLITS/STS-RSETS (dB SPL/dB)	86/0	94/0	96/-1	103/0
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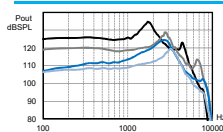
Power: mic at 70 dB SPL vs. induction coil at 100 mA/m

--- Mic
... Induction Coil

Electromagnetic compatibility

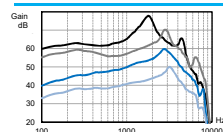
EMC immunity by ANSI c63.19-2011 EMC, omni/telecoil	M4/T4	M4/T4	M4/T4	M4/T4
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IEC 60118-o: 1994 OES coupler technical data



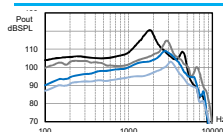
OSPL90

Reference test frequency - IEC 60118-o (kHz)	1.6	1.6	1.6	1.6
Maximum (dB SPL)	120	125	129	135
at RTF (dB SPL)	111	118	120	133



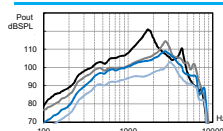
Full on gain (input 50 dB SPL)

Maximum (dB)	50	60	70	78
at RTF (dB)	43	53	61	76



Basic frequency response

Frequency range (DIN 45605) (Hz)	<100 - 8000	<100 - 6800	<100 - 7700	<100 - 5000
Reference test gain (dB)	36	43	45	58
Current drain at RTG (mA) (Wireless)	1.2	1.1	1.2	1.2
Typical battery life (h) 10A/312/13 (Wireless)	80/150/260	90/160/280	80/150/260	--/150/260
Current drain at RTG (mA) (Non-Wireless)	0.95	0.95	0.95	N/A
Typical battery life (h) 10A/312/13 (Non-Wireless)	110/190/--	110/190/--	110/190/--	N/A
Equivalent input noise at RTG (dB SPL)	19	19	19	19
Total harmonic distortion at 500 Hz/800 Hz/1600 Hz (%)	2.0/2.5/2.0	1.0/2.0/1.0	1.0/1.5/1.0	1.0/1.5/1.0



Induction coil sensitivity

at RTF (graph shown for 31.6 mA/m at RTG) (dB SPL)	95	103	105	119
Maximum (1 mA/m at full on gain) (dB SPL)	80	89	100	108
at RTF (1 mA/m at full on gain) (dB SPL)	73	83	91	106

Electromagnetic compatibility

EMC immunity by IEC 60118-13, 2011 field strength 90/50/35 V/m, omni. IRIL low/medium/high band (dB SPL)	34/36/34	29/26/35	33/38/36	32/31/32
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Legend

— Super Power
— High Power
— Power
— Moderate Power

Test conditions

Battery size: 10A/312/13; Source voltage: 1.3 V; Vent: closed at canal end.
Tubing 5 mm (2cc/OES coupler) - All Power Levels.
The hearing instrument is set to Unitron TrueFit test settings. LLE is applied at an approximate level of 35 dB SPL.
Sound pressure level of these hearing aids exceeds 132 dB SPL.
We reserve the right to change specification data without notice as improvements are introduced.