

# jam SHD

## ITE Hearing System Series



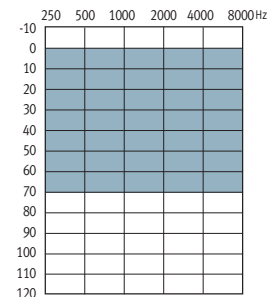
Functionalities	9	7	5	3
<b>Detection</b>				
SurroundSupervisor SHD	•	•	•	•
<b>Localization and Focus</b>				
SphereSound SHD Dynamic	•			
SpeechBeam SHD-3	•			
SphereSound SHD Personalized	•	•		
SpeechBeam SHD-2		•		
SphereSound SHD Static	•	•	•	
SpeechBeam SHD-1			•	
<b>Automatic Program</b>				
Music	•	•		
Noise	•	•	•	
Conversations in a small group	•	•	•	
Conversations in a crowd	•	•	•	
Conversations in noise	•	•	•	•
Conversations in quiet	•	•	•	•
Quiet	•	•	•	•
AutoSurround SHD	7	7	6	3
<b>Optimization and Comfort</b>				
SurroundOptimizer SHD	•	•	•	•
AcclimatizationManager	•	•	•	•
ConversationLift+	•	•	•	Speech Lift
NoiseReduction	•	•	•	•
FeedbackManager	•	•	•	•
Sound Impulse Manager SHD	•	•	•	•
Active Wind Block	•	•	•	•
SoundRestore	•	•	•	•
DataLogging	•	•	•	•
Tinnitus Manager	•	•	•	•
PhoneConnect	•	•	•	•
BiLink	•	•	•	•
BiPhone	•	•	•	•
Bluetooth (accessory needed)	•	•	•	•
<b>Channels and Programs</b>				
Channels (G/AGC)	20	16	12	8
No. of programs (AutoSurround SHD/Manual/Wireless)	7/3/3	7/3/3	6/3/3	3/3/3

**In all technology levels**  
RCV2, uStream, uDirect3, uTV3, uMic2, IIC remote control

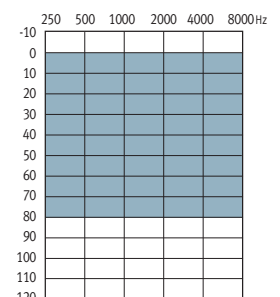
Style	Functionalities	Receiver				Shell Styles
		M	P	SP	UP	
10A Omni	7 5 3	•	D	•		<b>IIC/CIC/MC/ITC/HS/FS</b>
312 Omni	7 5 3	•	D	•		<b>CIC/MC/ITC/HS/FS</b>
Wireless 10A Omni	7 5 3	•	D	•		<b>CIC/MC/ITC/HS/FS</b>
Wireless 10A Directional	9 7 5 3	•	D	•		<b>MC/ITC/HS/FS</b>
Wireless 312 Directional	9 7 5 3	•	D	•	•	<b>ITC/HS/FS</b>
Wireless 13 Directional	9 7 5 3	•	D	•	•	<b>ITC/HS/FS</b>

D = default (standard) • = optional **Bold** = default shell style

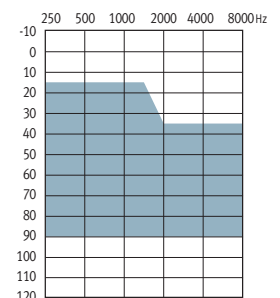
### Fitting guides



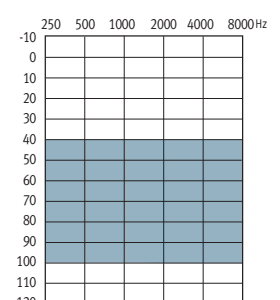
Moderate



Power



Super Power



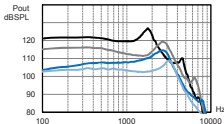
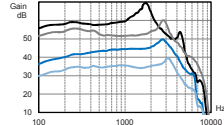
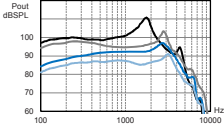
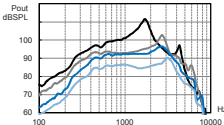
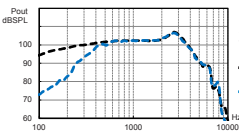
Ultra Power



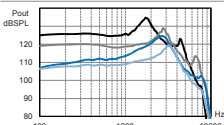
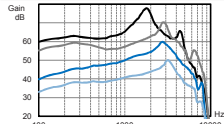
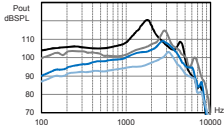
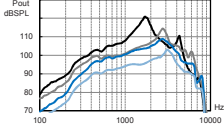
0124



### ANSI 3.22 2014/IEC 60118-7 2005 2cc coupler technical data

	OSPL <sub>90</sub>				
	Maximum (dB SPL)	109	115	119	127
	HFA - OSPL <sub>90</sub> (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/-	110/180/-	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
	Standard: mic at 70 dB SPL vs induction coil at 100 mA/m				
					
Electromagnetic compatibility					
EMC immunity by ANSI c63.19-2011 EMC, omni/telecoil		M4/T4	M4/T4	M4/T4	M4/T4

### IEC 60118-0: 1994 OES coupler technical data

Reference test frequency - IEC 60118-0 (kHz)		1.6	1.6	1.6	1.6
	OSPL <sub>90</sub>				
	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	74
	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

#### Legend

- Ultra Power
- Super 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 system is set to Hansaton scout test settings. LLE is applied at an approximate level of 35 dB SPL. Sound pressure level of these hearing systems exceeds 132 dB SPL. We reserve the right to change specification data without notice as improvements are introduced.