

AQ sound ST RT

Receiver-in-Canal (RIC) Rechargeable Hearing System Series



	Standard (S)	Moderate (M)	Power (P)	Ultra Power (UP)	
ANSI / ASA S3.22 2014/IEC 60118-0: 2015 2cc coupler technical data					
	OSPL90				
	Maximum (dB SPL)	111	114	122	132
	HFA - OSPL90 (dB SPL)	106	111	120	124
	Full on gain (input 50 dB SPL)				
	Maximum (dB)	47	51	59	71
	HFA - FOG (dB)	40	46	56	65
	Reference test setting (RTS)				
	Frequency range (Hz)	<100 - 8000	<100 - 8000	<100 - 6300	<100 - 6100
	Reference test gain (dB)	29	34	43	47
	Expected operating time (h) *	18	18	18	18
	Equivalent input noise at RTS (dB SPL)	19	19	19	19
	Total harmonic distortion at 500 Hz/800 Hz/1600 Hz/3200 Hz (%)	1.5/2.0/2.0/1.0	1.5/2.0/2.0/1.0	1.0/1.5/1.0/1.0	1.5/1.5/1.0/1.0
	Induction coil sensitivity (31.6 mA/m)				
	HFA SPLIV / ETLIS-RTLS (dB SPL/dB)	89/0	94/0	103/0	107/0
	HFA MASL (1 mA/m at full on gain) (dB SPL)	70	76	86	95
	Standard: mic at 70 dB SPL vs. induction coil at 100 mA/m				
	Legend: --- Mic, - - - Induction Coil				
Electromagnetic compatibility					
EMC immunity by ANSI c63.19-2011 EMC, omni/telecoil	M4/T4	M4/T4	M4/T4	M4/T4	

Legend Test conditions

- Standard Power
- Moderate Power
- Power
- Ultra Power

Lithium-ion rechargeable battery; Source: voltage 3.8 V
 * Typical operating time of the rechargeable battery is based upon a combination of Bluetooth® streaming and regular hearing instrument usage.
 The measurements obtained with a closed configuration using an HA-1 coupler (ANSI-3.7-1995).
 The hearing instrument set to HANSATON scout test settings. LLE is applied at an approximate level of 35 dB SPL.
 Domes should never be fit on patients with perforated eardrums, exposed middle ear cavities, or surgically altered ear canals. In the case of such a condition, we recommend use of a customized earmold.
 We reserve the right to change specification data without notice as improvements are introduced.

WARNINGS:
 This hearing instrument has an output sound pressure level that can exceed 132 dB SPL. Special care should be taken when fitting this instrument as there is a risk of impairing the residual hearing of the user.
 Changes or modifications to the hearing aid that are not explicitly approved by the manufacturer are not permitted. Such changes may damage the ear or the hearing aid.

