

**Spectra
S+**

Technical Information

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REXTON 

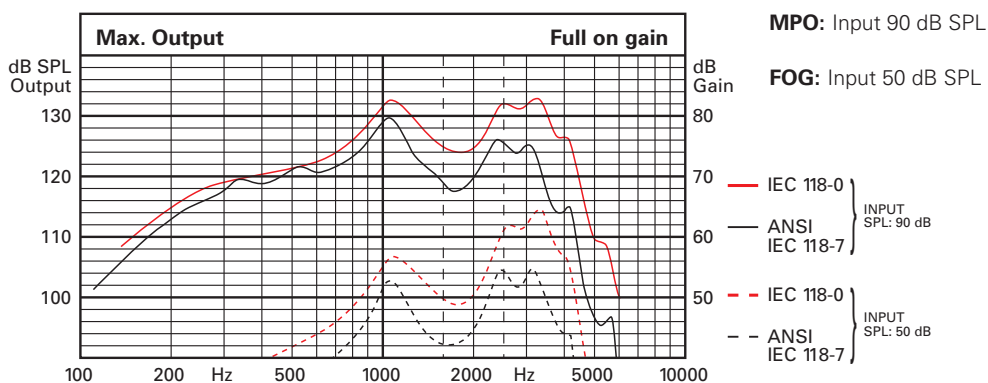
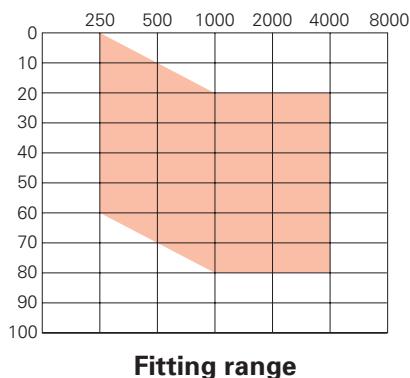
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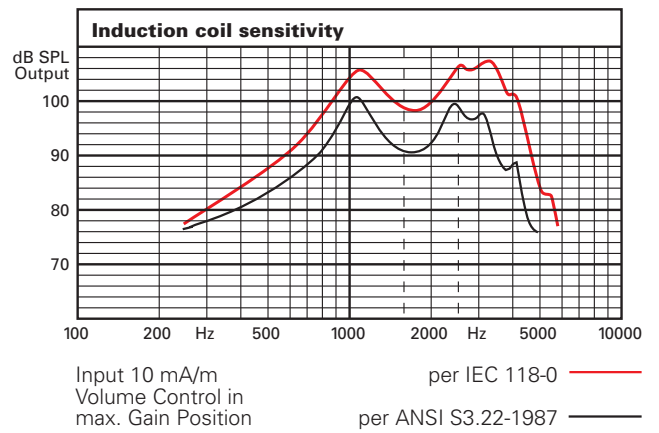
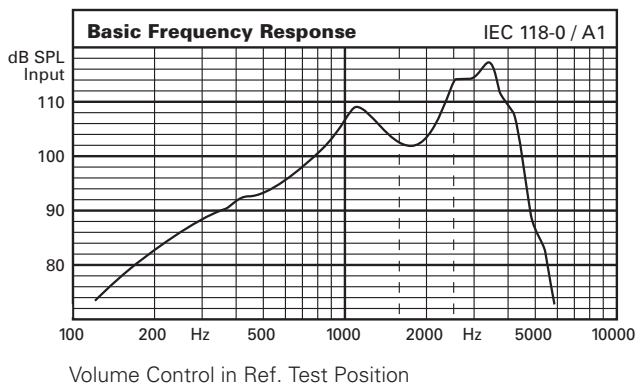
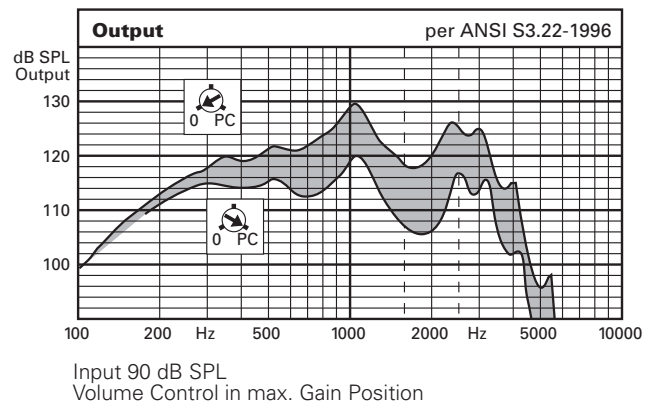
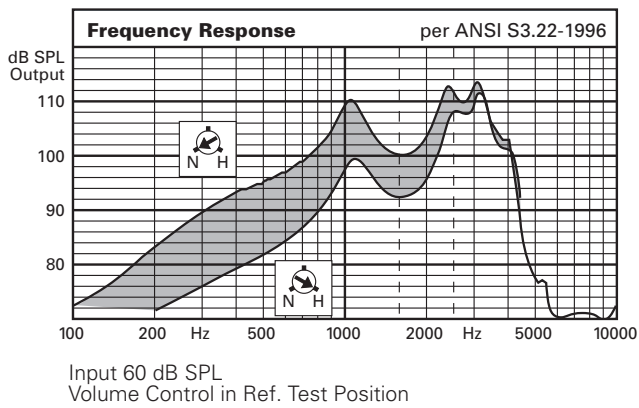
Performance Data			per ANSI S3.22-1996		2 ccm coupler IEC 118-7	Earsimulator IEC 118-0
Saturation	Peak	dB SPL	129		129	133
	F reference	dB SPL	129		118	125
	HF-Average	dB SPL	124		–	–
PC Control	Range at F reference	dB SPL	–10		–12	–12
Full-on Gain	Peak	dB	56		56	66
	F reference	dB	52		43	50
	HF-Average	dB	50		–	–
Reference Test Gain (RTG)		dB	47		–	43*
Gain Control	Range	dB	–		–	–
Frequency Response		Hz	260 – 4600		220 – 4600	300 – 5000
LOW Control	Reduction at 500 Hz	dB	–14		–14	–14
HIGH Control	Reduction at 4000 Hz	dB	–		–	–
AGC	Threshold	dB SPL	–		–	–
	Attack Time	ms	–		–	–
	Release Time	ms	–		–	–
	Compression Factor		–		–	–
Volume Control Range		dB	>35		–	>35
Total Harmonic Distortion at RTG/REF.:			Typical	Limit	Typical	Typical
70 dB Input at 500 Hz	%		(5)	(8)**	–	4
800 Hz	%		2	5	2	2
1600 Hz	%		2	5	–	3
Equivalent Noise Level		dB SPL	22		29	31
Coil Sensitivity at F reference, 10 mA/m		dB SPL	100		90	98
Supply Current		mA	1.8		1.8	2.0
Battery Life	Type 675 zinc-air	h	270		270	250
Reference Test Frequency (RTF)		Hz	1000		1600	1600

* RTG = F0G – 7 dB / IEC 118-0 / A1

** Slope >12 dB/Oct.



Spectra S+



Spectra S+

Features

- The Spectra S+ is especially suitable for **medium to severe sensorineural hearing losses** up to 80 dB hearing loss
- A **modern design** with adjustment trimmers hidden behind a cover between the volume control and MTO switch for easy access by the dispenser
- The user-operated MTO switch placed on the lower part of the instrument for easy operation by the user
- The MTO switch is operated vertically for easy handling. M for microphone gives acoustical reception of all signals; T for telecoil gives reception of a magnetic field for school systems and loop systems in churches, theatres etc; O for off
- A modern **wind-noise protection hook** is used to enhance speech understanding and to give the instrument a nice, modern pleasing design
- A new type designation label on the inside of the instrument gives the dispenser and the user a clear identification of the instrument
- **Two trimmers** are available under a cover between the volume control and the MTO switch
- **An efficient LOW CUT NH tone trimmer** will reduce gain at low frequencies for better speech understanding in noisy situations and to ensure the best possible adaptation to the individual hearing loss
- The NH tone trimmer will cut low frequencies approximately 15 dB at 500 Hz
- **An efficient PC trimmer** will limit the maximum available output of the instrument immediately to ensure that no sound is presented above the discomfort level of the user
- The PC trimmer will reduce the maximum output sound pressure level by approximately 10 dB
- The telecoil has been chosen for an efficient reproduction of magnetic sound fields for use in schools, churches, theatres etc
- **A high-capacity 675 battery** is placed at the bottom of the instrument

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