

Technical Information

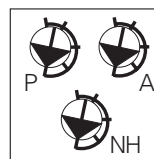
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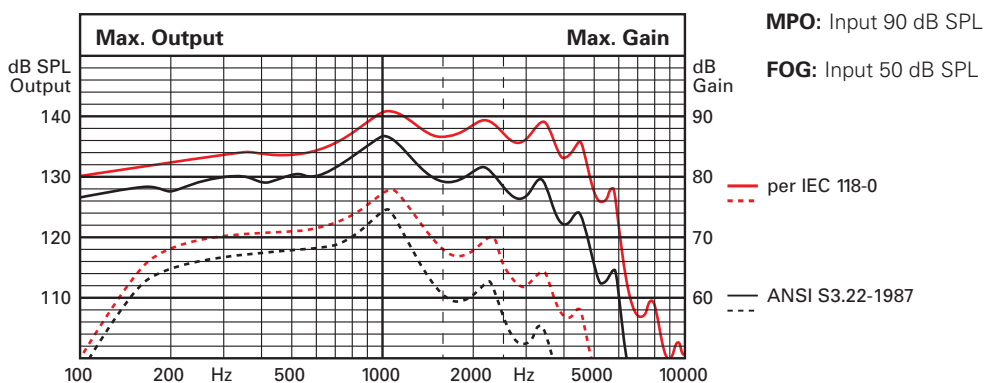
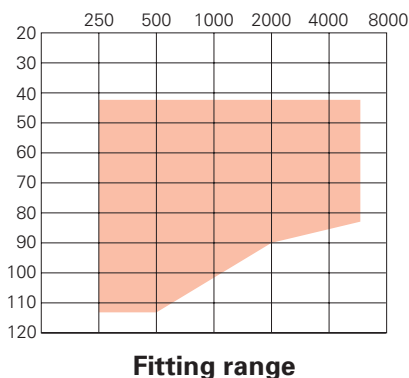


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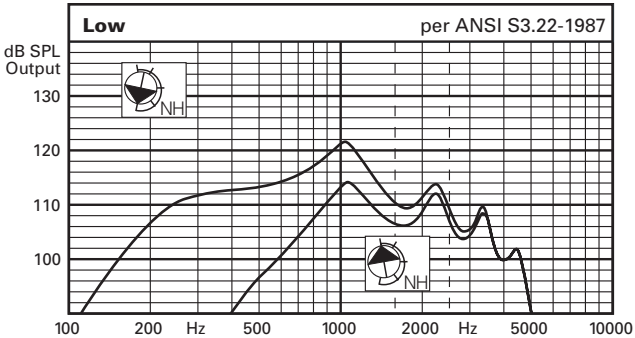


Performance Data			per ANSI S3.22-1996	2 ccm coupler IEC 118-7	Earsimulator IEC 118-0
Saturation	Peak	dB SPL	137	137	141
	at 1.6 kHz	dB SPL	–	129	135
	HFA-SSPL90	dB SPL	131	–	–
PC Control	Range at peak	dB SPL	121 – 137	121 – 137	125 – 141
Full-on Gain	Peak	dB	73	73	76
	at 1.6 kHz	dB	–	60	66
	HFA Full-On-Gain	dB	62	–	–
Reference Test Gain		dB	54	54	57
Frequency Response		Hz	130 – 4900	130 – 4800	130 – 5500
LOW Control	Range at 500 Hz	dB	–18	–18	–18
AGC	Threshold control	dB SPL	123 – 137	123 – 137	127 – 141
	Attack Time	ms	<150*	<150*	<150*
	Release Time	ms	<600	<600	<600
Total Harmonic Distortion					
70 dB SPL in	500 Hz	%	7	7	7
	800 Hz	%	2	2	2
	1600 Hz	%	2	2	2
Equivalent Noise Level		dB SPL	22	23	23
Induction Coil Sensitivity					
	1 mA/m	dB SPL	–	92	99
	10 mA/m	dB SPL	124	–	–
Battery Current					
	65 dB in	mA	4.2	–	–
	60 dB in 1.6 kHz	mA	–	2.0	2.0
Battery Life	Type 675 mercury	h	100	100	100
Reference Test Frequency		Hz	–	1600	1600

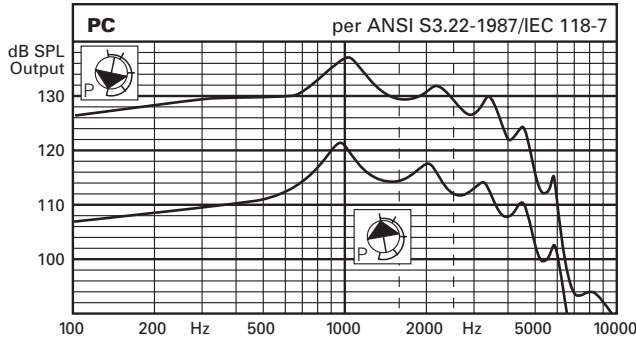
* Signal is within 4 dB above steady state in 3 ms.



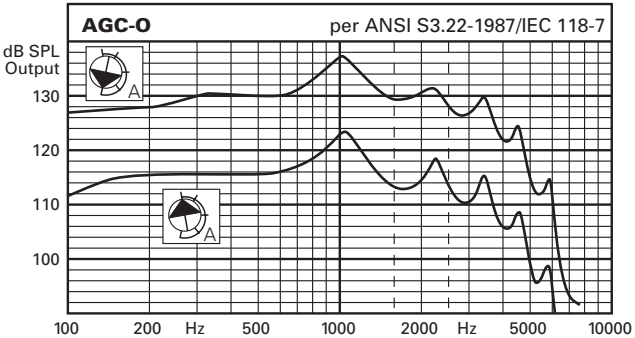
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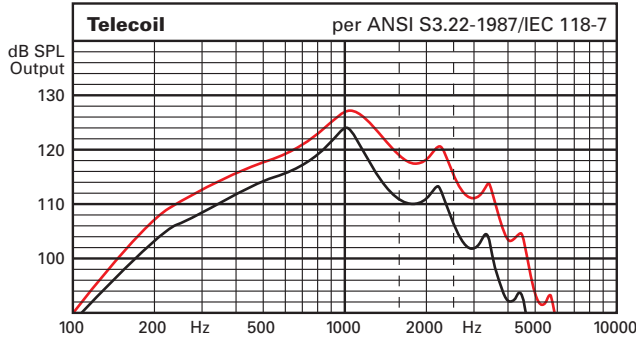
Input 60 dB SPL
Volume Control in Ref. Test Position



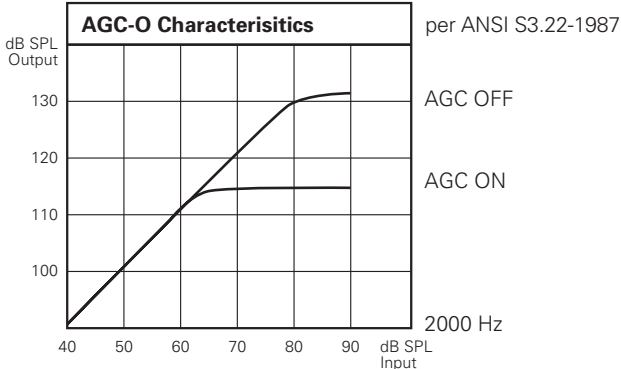
Input 90 dB SPL
Volume Control in Max. Gain Position



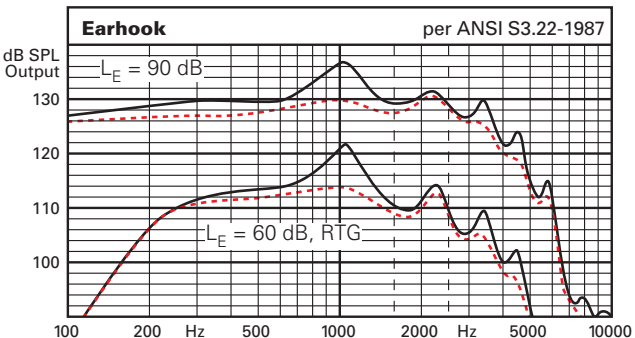
Input 90 dB SPL
AGC on Volume Control in Max. Gain Position



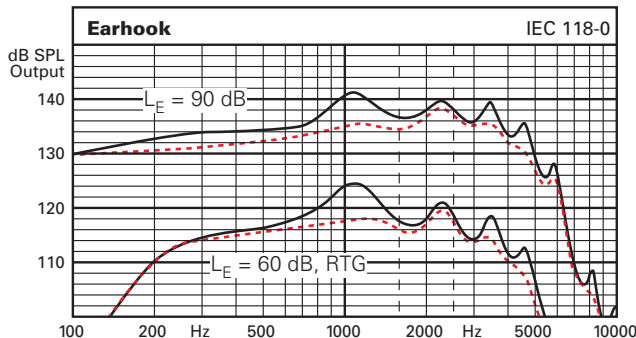
Input 10 mA/m
Volume Control in Max. Gain Position
— per IEC 118-0
— per ANSI S3.22-1987



Volume Control in Ref. Test Position



— without damper
- - - with damper, 680 Ohm



— without damper
- - - with damper, 680 Ohm

Energy P-L

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Features

- An extremely small and elegant instrument with push-pull amplifier featuring maximum gain and output.
- Three fitting controls
PC control/(red) – Continuously adjustable up to –15 dB.
A new **AGC**/(orange), featuring extended output dependant control offers high intelligibility with a pleasant, harmonious sound even when hearing music and speech in noisy environment.
NH/(blue) for adaption of the low-tone frequencies.
- Soft AGC action.
- Highly sensitive built-in telecoil for effortless telephoning.
- Audio input as a standard. Via audio shoe the hearing instrument can be linked to different devices as long as these are provided with the proper connection.
- New housing design protects against humidity and perspiration.
- Special design prevents inserting the battery incorrect.
- Volume control with large numbers for easy reading and operating.
- Easy to operate with large vertical MTO switch.
- Ear hook with integrated wind protection as standard.
- Low battery consumption in this high power class with battery type 675.

Accessories

- Children's earhook.
- Eyeglass adapter.
- Transparent cover for volume control to prevent unintended changing of the gain.
- Ear hook with damper available.
- Ear hook with integrated wind protection as standard.
- Audio shoe to connect the instrument to different devices.
- Lock for battery compartment (on request).