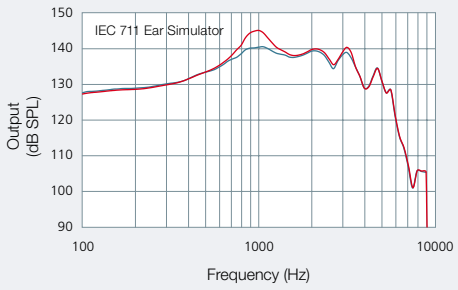
MODEL FRC95

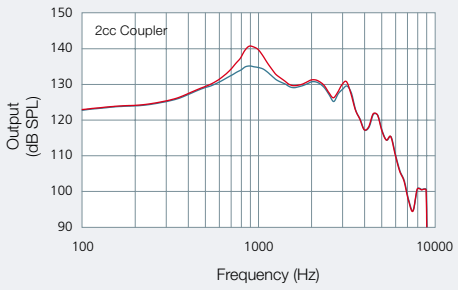
Technical Specifications		IEC 60118-0 IEC 711 Ear simulator	IEC 60118-7 2cc coupler
Maximum Output (OSPL 90)		145 dB SPL	141 dB SPL
Average Output (OSPL 90; 118-0: DIN; 118-7: HFA)		139 dB SPL	133 dB SPL
Maximum Output (OSPL 90) - damped tone tube		140 dB SPL	135 dB SPL
Average Output (OSPL 90; 118-0: DIN; 118-7: HFA) - damped tone tube		137 dB SPL	131 dB SPL
Maximum Gain (Pi=50 dB SPL)		86 dB	81 dB
Average Gain (Pi=50 dB SPL; 118-0: DIN; 118-7: HFA)		80 dB	73 dB
Maximum Gain (Pi=50 dB SPL) - damped tone tube		82 dB	78 dB
Average Gain (Pi=50 dB SPL; 118-0: DIN; 118-7: HFA) - damped tone tube		78 dB	71 dB
Frequency Range		180-5040 Hz	120-4810 Hz
Equivalent Input Noise		28 dB SPL	27 dB SPL
Total Harmonic Distortion	500 Hz	4.4 %	2.0 %
	800 Hz	2.0 %	0.6 %
	1600 Hz	1.4 %	1.0 %
Telecoil sensitivity (118-0: 10mA/m; 118-7: 31.6mA/m)	Max. /HFA	135 dB SPL	116 dB SPL
Telecoil sensitivity (118-0: 10mA/m; 118-7: 31.6mA/m) - damped tone tube	Max. /HFA	130 dB SPL	114 dB SPL
Current Drain		0.92 mA	2.5 mA
Battery Life		685 hrs	252 hrs
Reference Test Gain		64 dB	56 dB

Data in accordance with IEC 60118-0, IEC 60118-7; Supply Voltage 1.3 V.

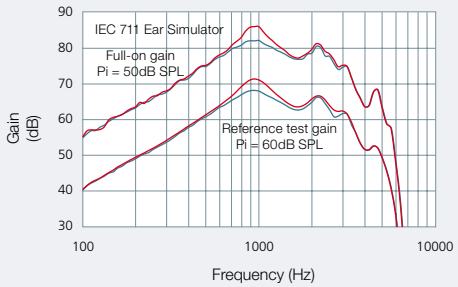
Maximum Output (OSPL 90)



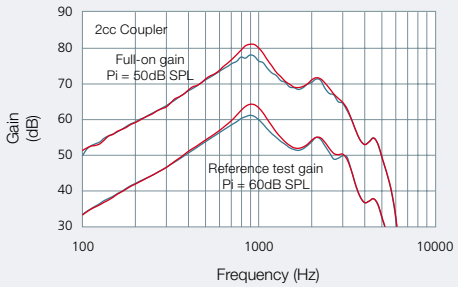
Maximum Output (OSPL 90)



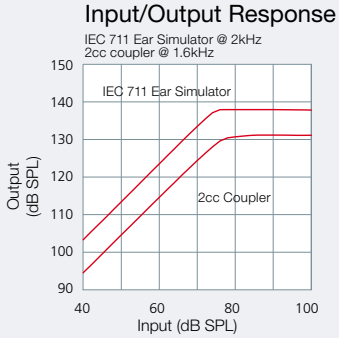
Full-On and Reference Test Gain



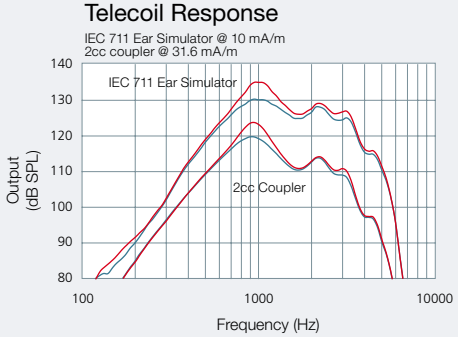
Full-On and Reference Test Gain



Input/Output Response



Telecoil Response



Undamped tone tube
Damped tone tube

Notes:
O.E.S. = Occluded Ear Simulator
2cc = 2 cm^3 coupler
Pi = Acoustic input signal

Basic settings:
Full-on Gain, Reference Test Gain
MPO = Maximum Power Output
Maximum Band Width

Measured according IEC 60 118-0 1983, amendment 1994; at 1.3 V and 23°C on O.E.S. according to IEC711 1981, resp on 2cc according to IEC60118-7 2nd edition 2005 (DIN average calculated at 500 Hz, 1000 Hz and 2000 Hz; HFA average calculated at 1000 Hz, 1600 Hz and 2500 Hz; 0 dBSPL sound pressure equals 20µPa). All measurements without DSP features activated unless indicated otherwise.

Worldwide headquarters
Beltone A/S
Lautrupbjerg 9
P.O. Box 130
DK-2750 Ballerup, Denmark
Tel.: +45 45 75 11 11
Fax: +45 45 75 11 19

16439300-GB-07.07 Rev.A