

ReSound Essence

PRODUCT INFORMATION



ReSound Essence ES30, ES30-D, ES30-P & ES30-DP are part of a strong new family of hearing instruments. With the capability to compensate for mild to moderate hearing losses and state of the art technology in its class, the ReSound Essence ITC is able to offer excellent hearing solutions. ReSound Essence is based on the latest chip technology and offers a surprisingly great package for any budget without compromising quality or benefit. The instrument provides outstanding sound processing and quality as well as better speech understanding with the very fast WARP, Fixed Directionality and Noise Reduction systems. The strong ReSound DFS system also cancels out feedback and allows for more stability and power. Overall, ReSound Essence offers a simply surprising product feature set for better sound quality and enhanced comfort.

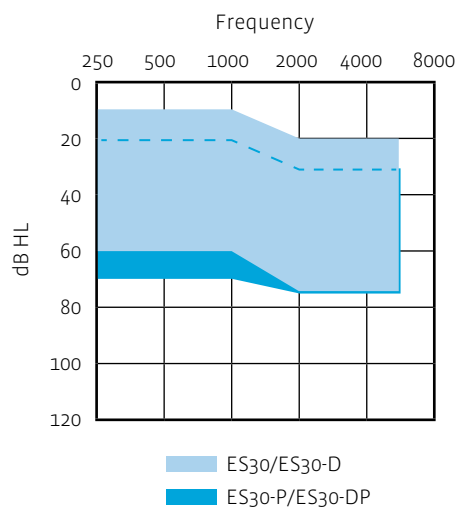
ReSound Essence Key Features

- Standard & High Power ITC
- 6-band WARP™ Compressor
- Fixed Directionality
- Stabilizer DFS™ Feedback Cancellation
- Noise Reduction
- Rotary Volume Control (optional)
- Low Battery Consumption Chip Technology
- Low battery warning indicator
- Push Button with up to 2 environmental programmes + Telecoil option

Standard Configuration

- Size 312 battery
- Acoustic indicator for programme selection
- On/Off function Battery Door
- Programmable Telecoil with T or MT
- Available in 3 standard colours

Fitting Range



Fitting Requirements

- Aventa Fitting Software (version 2.6 or higher)
- CS63 FlexStrip Cable (3-pin)
- Speedlink, HI-PRO or NOAHlink interface (Speedlink recommended)



GN ReSound A/S

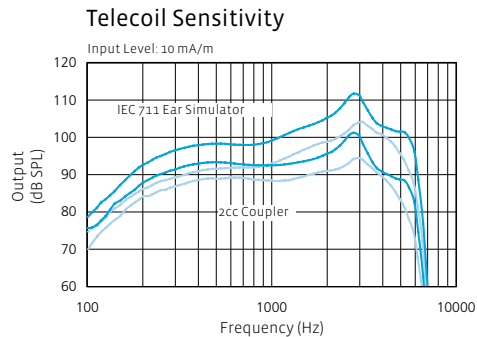
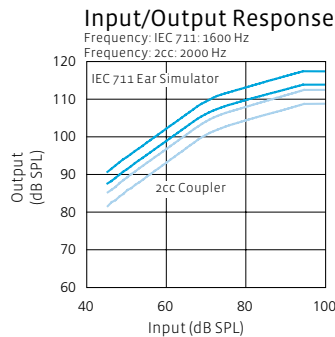
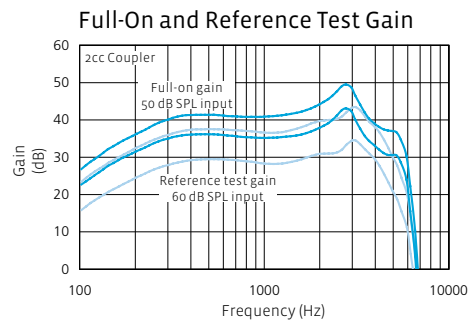
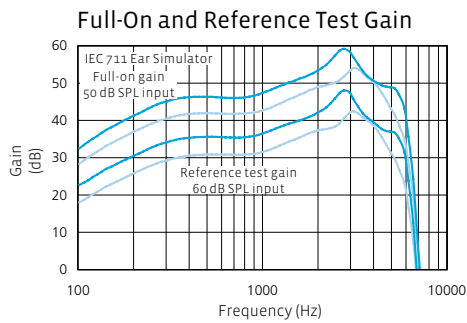
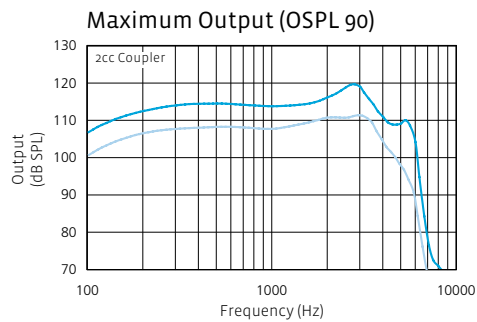
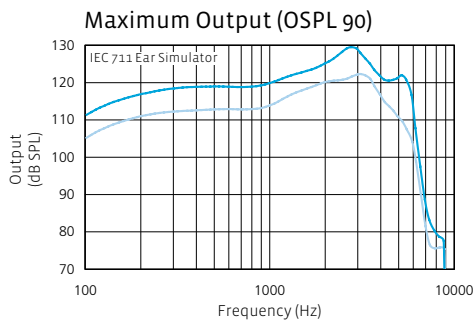
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ES30, ES30-D, ES30-P & ES30-DP ITC

Technical Specifications

		IEC 60118-0 IEC 711 Ear Simulator		IEC 60118-7 2cc Coupler	
		ES30/ ES30-D	ES30-P/ ES30-DP	ES30/ ES30-D	ES30-P/ ES30-DP
Reference Test Gain (60 dB SPL Input)	1600 Hz / HFA	36 dB	41 dB	30 dB	38 dB
Full-On Gain (50 dB SPL Input)	Max	55 dB	60 dB	43 dB	50 dB
	1600 Hz / HFA	47 dB	52 dB	38 dB	44 dB
Maximum Output (90 dB SPL Input)	Max	123 dB SPL	130 dB SPL	112 dB SPL	120 dB SPL
	1600 Hz / HFA	119 dB SPL	124 dB SPL	109 dB SPL	116 dB SPL
Total Harmonic Distortion	800 Hz	1.4 %	1.8 %	0.8 %	0.9 %
	1600 Hz	1.4 %	1.4 %	1.2 %	1.2 %
Telecoil sensitivity (118-0: 1mA/m; 118-7: 31.6mA/m)	Max/HFA	84 dB SPL	92 dB SPL	93 dB SPL	99 dB SPL
Equivalent Input Noise, w/o Noise reduction		26 dB SPL	26 dB SPL	24 dB SPL	26 dB SPL
1/3 octave EIN w/o Noise Reduction	1600 Hz	12 dB SPL	11 dB SPL		
Frequency Range (DIN 45605)		120-6130 Hz	120-6260 Hz	100-6130 Hz	100-6270 Hz
Current Drain		0.92 mA	0.95 mA	1 mA	1 mA
Typical Battery Life Time (Battery type 312)		174 hrs	168 hrs	160 hrs	160 hrs

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



Full/On Gain Parameter Settings*

	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	6 kHz
G[80]	26/31	26/31	26/31	26/31	26/31	26/31
G[50]	40/45	40/45	40/45	40/45	40/45	40/45

Reference Test Gain Parameter Settings for 118-0*

	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	6 kHz
G[80]	19/24	19/24	19/24	19/24	19/24	19/24
G[50]	33/38	33/38	33/38	33/38	33/38	33/38

Reference Test Gain Parameter Settings for ANSI and 118-7*

	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	6 kHz
G[80]	22/29	22/29	22/29	22/29	22/29	22/29
G[50]	36/43	36/43	36/43	36/43	36/43	36/43

ES30/ES30-D
ES30-P/ES30-DP