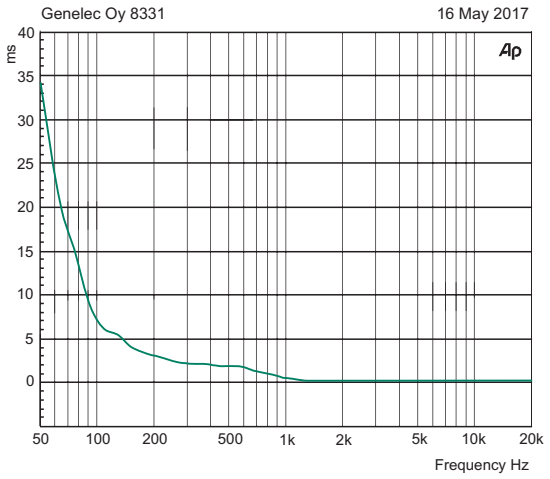

Figure 10. The curve above shows the delay variation of the 8331A as a function of frequency.

SYSTEM SPECIFICATIONS

Lower cut-off frequency, –6 dB	< 45 Hz
Upper cut-off frequency, –6 dB	> 37 kHz
Accuracy of frequency response, ± 1.5 dB	58 Hz – 20 kHz
Maximum short term sine wave acoustic output on axis in half space, averaged from 100 Hz to 3 kHz at 1 m	≥ 104 dB SPL
Maximum long term RMS acoustic output in the same conditions with IEC weighted noise (limited by driver protection circuit) at 1 m	99 dB SPL
Maximum peak acoustic output per pair in a listening room with music material at 1 m	110 dB
Self generated noise level in free space at 1 m on axis (A-weighted)	≤ 0 dB
Harmonic distortion at 85 dB SPL at 1 m on axis Freq: 50…100 Hz > 100 Hz	 < 2 % < 0.5 %
Drivers Bass Midrange Treble	 Dual 130 x 65 mm ($5^1/_8$ x $2^5/_8$ in) oval cones 90 mm ($3^1/_2$ in) cone (coaxial) 19 mm ($^3/_4$ in) metal dome (coaxial)
Weight	6.7 kg (15 lb)
Dimensions Height including IsoPod stand Height without IsoPod Width Depth	 305 mm (12 in) 285 mm ($11^1/_4$ in) 189 mm ($7^1/_2$ in) 212 mm ($8^3/_8$ in)

AMPLIFIER SECTION

Bass amplifier short term output power Midrange amplifier short term output power Treble amplifier short term output power (Long term output power is limited by driver protection circuitry)	72 W 36 W 36 W
Amplifier system THD at nominal output	<0.05%
Mains voltage	100-240 VAC 50/60 Hz
Power consumption ISS active Idle Full output (short term)	 < 0.5 W 4 W 60 W

SIGNAL PROCESSING

	8331A
Analog signal input connector XLR female, balanced 10 kOhm	pin 1 gnd pin 2 non-inverting pin 3 inverting
Maximum analog input signal	+24.0 dBu
Analog input sensitivity (100 dB SPL at 1 m)	-6 dBu
Analog input sensitivity control	Adjustable from +36 to -6 dBu
Digital signal input connector XLR female 110 Ohm	AES/EBU Single Wire
Digital signal output / Thru connector XLR male 110 Ohm	AES/EBU Single Wire
Digital audio input	
Word length	16 - 24 bits
Sample rate	32 - 192 kHz
Digital input sensitivity (100 dB SPL at 1 m)	-30 dBFS
Digital input maximum attenuation	42 dB
Control network	
Type	Proprietary GLM™ network
Connection	2 RJ45, CAT5 cables
Crossover frequencies	
Bass/Mid	500 Hz
Mid/Treble	3 kHz
GLM™ software frequency response adjustment*	
Parametric notch filters	16
Shelving filters	2 LF and 2 HF
System room response calibration	Genelec GLM AutoCal™, GLM™ manual, Stand-alone*

* The notch and shelving filters adjustments, AutoCal™ and GLM™ manual system calibration features are part of the Genelec Loudspeaker Manager (GLM™) software

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