

**Table 1**  
**Sound Level Meter Random-Incidence Relative Response Level**  
**As a Function of Frequency for Various Weightings**

Frequency Hz	A Weighting Relative Response dB	B Weighting Relative Response dB	C Weighting Relative Response dB
10	-70.4	-38.2	-14.3
12.5	-63.4	-33.2	-11.2
16	-56.7	-28.5	- 8.5
20	-50.5	-24.2	- 6.2
25	-44.7	-20.4	- 4.4
31.5	-39.4	-17.1	- 3.0
40	-34.6	-14.2	- 2.0
50	-30.2	-11.6	- 1.3
63	-26.2	- 9.3	- 0.8
80	-22.5	- 7.4	- 0.5
100	-19.1	- 5.6	- 0.3
125	-16.1	- 4.2	- 0.2
160	-13.4	- 3.0	- 0.1
200	-10.9	- 2.0	0
250	- 8.6	- 1.3	0
315	- 6.6	- 0.8	0
400	- 4.8	- 0.5	0
500	- 3.2	- 0.3	0
630	- 1.9	- 0.1	0
800	- 0.8	0	0
1000	0	0	0
1250	+ 0.6	0	0
1600	+ 1.0	0	- 0.1
2000	+ 1.2	- 0.1	- 0.2
2500	+ 1.3	- 0.2	- 0.3
3150	+ 1.2	- 0.4	- 0.5
4000	+ 1.0	- 0.7	- 0.8
5000	+ 0.5	- 1.2	- 1.3
6300	- 0.1	- 1.9	- 2.0
8000	- 1.1	- 2.9	- 3.0
10 000	- 2.5	- 4.3	- 4.4
12 500	- 4.3	- 6.1	- 6.2
16 000	- 6.6	- 8.4	- 8.5
20 000	- 9.3	-11.1	-11.2