

PRODUCT NAME	SNR	H	M	L	CE data	NRR	ANSI data
4EARS CINEMA	16dB	16dB	13dB	11dB	H	9dB	H
4EARS DIY & INDUSTRY	22dB	22dB	20dB	18dB	F	14dB	F
4EARS DIY & INDUSTRY PRO	17dB	15dB	18dB	18dB	C	10dB	C
4EARS FESTIVAL & CONCERT	19dB	19dB	17dB	14dB	A	12dB	A
4EARS FESTIVAL PRO 25dB	20dB	19dB	19dB	18dB	B	16dB	B
4EARS FIREWORKS & IMPACT	19dB	21dB	15dB	13dB	G	16dB	G
4EARS FLY & TRAVEL PRO	17dB	15dB	18dB	18dB	C	10dB	C
4EARS F1 & RACING	24dB	23dB	22dB	21dB	E	16dB	E
4EARS F1 & RACING PRO 25dB	20dB	19dB	19dB	18dB	B	16dB	B
4EARS HEAVY INDUSTRY	24dB	23dB	22dB	21dB	E	16dB	E
4EARS HEAVY INDUSTRY PRO	20dB	19dB	19dB	18dB	B	16dB	B
4EARS HORECA	16dB	16dB	13dB	11dB	H	9dB	H
4EARS HORECA PRO 20dB	17dB	15dB	18dB	18dB	C	10dB	C
4EARS MOTOR	24dB	23dB	22dB	21dB	E	16dB	E
4EARS MUSICIANS PRO 15dB	15dB	15dB	13dB	12dB	D	7dB	D
4EARS MUSICIANS PRO 20dB	17dB	15dB	18dB	18dB	C	10dB	C
4EARS MUSICIANS PRO 25dB	20dB	19dB	19dB	18dB	B	16dB	B
4EARS OFFICE	16dB	16dB	13dB	11dB	H	9dB	H
4EARS SCHOOL & STUDY	24dB	23dB	22dB	21dB	E	16dB	E
4EARS SHOOTING	19dB	21dB	15dB	13dB	G	16dB	G
4EARS SLEEP	24dB	23dB	22dB	21dB	E	16dB	E
4EARS SPORTS INSTRUCTOR	16dB	16dB	13dB	11dB	H	9dB	H
4EARS WATER SPORTS	-	-	-	-	-	-	-
4EARS KIDS BOYS	24dB	23dB	22dB	21dB	E	16dB	E
4EARS KIDS GIRLS	24dB	23dB	22dB	21dB	E	16dB	E
4EARS KIDS SWIM	-	-	-	-	-	-	-

Tested by PZT no. 1974. GMBH, An der Junkerei 48, 26389 Wilhelmshaven, Germany: according to EN-352-2: 2002 and ANSI S3-19-1974

CE certification data - EUROPEAN STANDARDS									
Frequency - Hz									
	63	125	250	500	1000	2000	4000	8000	
A	Mean attenuation (dB)	14.4	15.1	15.4	17.1	19.9	26.9	17.7	29.9
	Standard deviation (dB)	3.7	3.7	2.5	3.3	2.4	3.0	2.2	5.5
	APV (dB)	10.7	11.4	12.9	13.8	17.5	23.9	15.5	24.4
B	Mean attenuation (dB)	23.5	24.1	23.2	22.2	24.6	24.6	20.4	32.3
	Standard deviation (dB)	5.0	4.9	5.8	5.3	5.0	5.4	3.8	3.9
	APV (dB)	18.5	19.2	17.4	16.9	19.6	19.2	16.6	28.4
C	Mean attenuation (dB)	21.4	23.6	22.8	22.7	25.8	22.8	15.8	17.4
	Standard deviation (dB)	4.5	4.6	5.9	5.3	4.6	5.2	2.6	3.6
	APV (dB)	16.9	19.0	16.9	17.4	21.2	17.6	13.2	13.8
D	Mean attenuation (dB)	16.4	17.6	16.4	16.4	16.9	20.0	16.8	21.6
	Standard deviation (dB)	5.9	6.5	5.6	5.6	4.6	5.5	2.4	3.3
	APV (dB)	10.5	11.1	10.8	10.8	12.3	14.5	14.4	18.3
E	Mean attenuation (dB)	23.9	23.2	22.3	22.7	24.8	30.8	22.5	36.7
	Standard deviation (dB)	3.4	3.0	2.6	2.6	3.6	3.3	2.9	3.5
	APV (dB)	20.5	20.2	19.7	20.1	21.2	27.5	19.6	33.2
F	Mean attenuation (dB)	17.9	18.2	18.9	21.2	23.1	27.8	22.2	30.3
	Standard deviation (dB)	3.7	2.4	2.8	3.1	3.3	3.3	3.0	4.6
	APV (dB)	14.2	15.8	16.1	18.0	19.8	24.5	19.2	25.7
G	Mean attenuation (dB)	13.1	14.1	14.3	14.7	18.1	26.7	22.2	29.3
	Standard deviation (dB)	3.6	3.4	2.4	3.2	2.3	3.9	2.0	3.7
	APV (dB)	9.5	10.7	11.9	11.5	15.8	22.8	20.2	25.6
H	Mean attenuation (dB)	6.8	10.4	12.2	13.9	16.1	22.9	19.0	20.3
	Standard deviation (dB)	3.0	3.0	2.2	3.7	2.4	3.9	3.8	5.0
	APV (dB)	3.8	7.4	10.0	10.2	13.7	19.0	15.2	15.3



ANSI certification data - U.S. STANDARDS										
Frequency - Hz										
	63	125	250	500	1000	2000	4000	6300	8000	
A	Mean attenuation (dB)	12.6	15.6	15.7	19.9	25.1	21.5	17.2	25.9	30.2
	Standard deviation (dB)	2.0	2.2	2.8	3.4	4.3	2.5	2.6	3.4	5.5
	APV (dB)	8.6	11.2	10.1	13.1	16.5	—	14.3	—	19.2
B	Mean attenuation (dB)	26.8	25.5	25.5	28.9	33.0	23.4	19.7	17.6	27.8
	Standard deviation (dB)	3.8	4.0	3.7	3.9	4.4	3.6	2.9	4.1	3.4
	APV (dB)	19.2	17.5	18.1	21.1	24.2	—	15.1	—	15.2
C	Mean attenuation (dB)	23.8	21.6	21.6	25.8	24.7	15.9	15.6	17.1	13.5
	Standard deviation (dB)	2.6	3.2	2.9	4.8	3.9	2.6	3.2	3.0	4.4
	APV (dB)	18.6	15.2	15.8	16.2	16.9	—	10.0	—	7.9
D	Mean attenuation (dB)	15.6	13.7	13.6	14.6	17.2	19.5	15.8	16.8	16.7
	Standard deviation (dB)	3.5	2.8	2.8	3.2	4.6	4.2	2.6	3.1	4.9
	APV (dB)	8.6	8.1	8.0	8.2	8.0	—	10.9	—	8.8
E	Mean attenuation (dB)	22.1	20.7	20.5	24.3	31.1	31.6	21.8	22.7	33.7
	Standard deviation (dB)	3.0	2.8	3.6	3.8	4.0	5.1	3.2	3.4	4.1
	APV (dB)	16.1	15.1	13.3	16.7	23.1	—	18.4	—	20.7
F	Mean attenuation (dB)	19.2	18.8	19.1	22.0	28.5	29.1	24.8	21.1	24.3
	Standard deviation (dB)	3.0	2.7	3.7	3.5	3.6	4.6	3.8	3.0	3.8
	APV (dB)	13.2	13.4	11.7	15.0	21.3	—	18.6	—	15.9
G	Mean attenuation (dB)	15.2	15.1	15.6	19.0	28.1	24.4	21.5	17.0	27.5
	Standard deviation (dB)	3.0	2.6	4.1	3.1	3.9	3.1	2.3	3.2	4.6
	APV (dB)	9.2	9.9	7.4	12.8	20.3	—	17.6	—	14.5
H	Mean attenuation (dB)	10.2	11.2	13.4	15.7	24.0	21.6	19.2	19.3	19.0
	Standard deviation (dB)	3.1	2.8	2.9	2.7	3.2	3.1	3.5	3.8	5.2
	APV (dB)	4.0	5.6	7.6	10.3	17.6	—	13.8	—	10.2

ANSI certification data - U.S. STANDARDS				
Impulse peak level	130dB	150dB	158dB	166dB
G Impulse peak insertion loss	26.3	31.1	33.0	33.7