

Noisy Exchange

Workshop on industrial noise
SUMMARY



Industrial noise measurements

	LAeq	1/1 Oct LAeq [dB]								
		63	125	250	500	1000	2000	4000	8000	16000
	[dB]	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz
S ON	82,6	41,4	43,0	46,1	43,0	46,1	57,0	81,8	75,0	46,8
S OFF (BACKGROUND)	53,1	42,6	42,6	44,2	42,6	44,2	46,8	45,7	45,9	39,2
Lp	82,6	-	32,5	41,5	32,5	41,5	56,5	81,8	75,0	46,0

in this case background level had no impact on the final result

unable to calculate the level

most important frequency bands for this sound source

Industrial noise measurements

	LAeq	1/1 Oct LAeq [dB]								
		63	125	250	500	1000	2000	4000	8000	16000
	[dB]	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz
OUTSIDE 2	82,6	40,9	41,6	45,2	41,6	45,2	56,8	81,8	75,0	46,7
INSIDE	54,1	24,8	28,3	31,9	28,3	31,9	36,1	53,3	45,4	18,9
	28,5									

difference between the levels gives us information about the barrier; it is inaccurate: other factors such as room volume, room reverberation and barrier area should be taken into consideration

most important frequency bands for this sound source