

ELACIN SafeSound • SafeCom Music

ELACIN has taken up the challenge of enhancing safety while improving communication, by developing two ingenious devices: ELACIN SafeSound and ELACIN SafeCom. These combine to provide the user with 100% protection and 100% communication. Surely a winning combination...

UNIQUE COMMUNICATION SYSTEM: SAFESOUND & SAFECom

The principle is deceptively simple: the ELACIN SafeSound consists of two custom-made hearing protectors. Depending on the user's preference (left or right ear), the protective sound filter in one of the hearing protectors is replaced by an earphone developed specially for this purpose. This is connected with the ELACIN SafeCom, which consists of a control unit which links to a portable music source such as a radio or MP3 player.

The combination of a hearing protector with a sound filter plus a hearing protector with an earphone, when used in combination with the ELACIN SafeCom, offers unique possibilities for easy, but more importantly: hearing-safe on-the-job communications.

ELACIN SafeCom Music: for music at work and without the risk of damage to your hearing, without compromising your enjoyment of the music. Electronics in the ELACIN SafeCom Music automatically limit sound levels to 82 dB(A), regardless of the sound source connected, no matter what kind of music is played. The level of 82 dB(A) is in accordance with legal standards based on a continuous sound exposure during 8 hours. If the need for communication arises, and the music interferes with proper understanding, a simple press of the PTL (Push-To-Listen) button suffices to interrupt the music. The interrupting party's speech is automatically relayed to the earphone. This means that work instructions can be monitored or conversations can be held without requiring removal of the hearing protection devices! After 9 seconds the music automatically starts to play again - or sooner if the PTL-button is pressed. Thanks to the ELACIN SafeCom Music, full hearing protection is maintained while allowing musical relief from boring and monotonous work.

MATERIAL

The SafeSound is made of silicone material, with a degree of hardness of 60 Shore.

CHOICE OF FILTERS

Depending on the noise level, there is a choice of six different RC and ELACIN filters:

- RC13 filter (white)
- RC15 filter (beige)
- RC17 filter (grey)
- RC18 filter (brown)
- RC19 filter (black)
- MM02 filter (brown)



ELACIN SAFESOUND



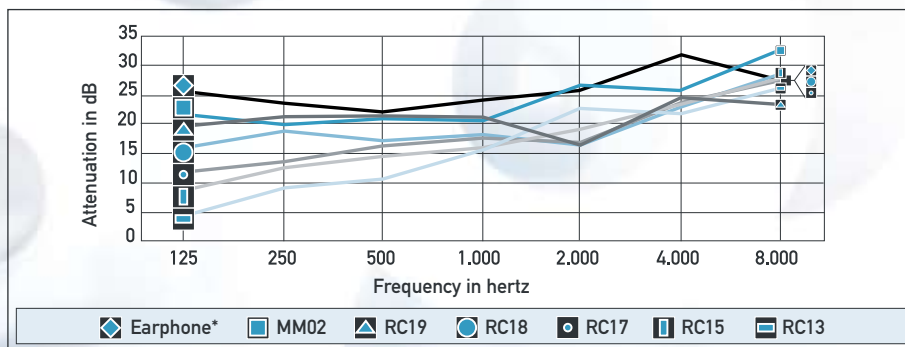
ELACIN SAFESOUND • SAFECom MUSIC

ATTENUATION CHARACTERISTICS

Below you will find the attenuation characteristics and graphics for the ELACIN SafeSound hearing protectors.

Freq.	: frequency in hertz
H	: high frequency attenuation (f > 2000 Hz)
M	: medium attenuation frequency (f > 500 and f < 2000 Hz)
L	: low attenuation frequency (f < 500 Hz)
SNR	: Single Number Rating, to be deducted from C-weighted noise level
Mf in dB	: average attenuation characteristics at given frequency f
S _f in dB	: standard deviation at given frequency f
APV _f in dB	: assumed Protection Value (M _f - 1x S _f) in dB, at given frequency f

APV _f (dB)	Freq. (Hz)								H	M	L	SNR
	125	250	500	1000	2000	4000	8000					
Earphone*	25,3	23,4	22,1	23,3	25,4	31,8	26,5	26	24	23	27	
MM02	20,5	19,4	21,1	20,2	26,7	25,6	32,2	26	22	21	25	
RC 19	19,4	20,9	21,4	20,8	15,6	23,5	23,8	18	19	20	21	
RC 18	16,3	18,3	17,4	18,0	15,8	22,1	26,4	18	18	18	20	
RC 17	12,3	13,7	16,4	17,2	16,5	22,1	26,0	19	17	15	20	
RC 15	9,3	12,8	14,4	15,6	18,6	21,8	26,9	20	16	14	19	
RC 13	4,4	7,8	9,9	15,3	22,4	20,9	25,3	21	14	9	17	



COLOUR

The standard version of the SafeSound is supplied in a warm grey colour. At an additional charge, this hearing protector is also available in beige, blue, yellow, red and black. The housing of the SafeCom is produced in grey with a pink PTT-button.

APPLICATIONS

- In places where understanding speech is important.
- In places where people work on the assembly line.

SUITABLE FOR USE IN:

- the food industry
- industrial environments

BENEFITS

- Hearing protection devices provide both protection and better communications
- Earphone option: either left or right
- Safety never compromised due to automatic volume limiter
- Suitable for every type of music player or receiver, according to preference
- Optimal enjoyment of music in Music mode
- Easy to operate
- Custom-made; perfect fit every time
- Easy to insert and remove
- Safe and comfortable