



# MEP

## Musician Earplugs: Custom Hi-Fi hearing protection

### Custom made for concert visitors and musicians

'Musician Earplugs' are especially designed for those searching for the perfect music experience combined with good hearing protection. The linear filtering allows you to enjoy music but at a safer sound level. The custom ear pieces are made from soft materials and attenuation values can be chosen.



For more information visit [variphone.com](http://variphone.com)

# VARIPHONE

Safe and sound hearing

## Musician Earplugs

'Musician Earplugs' are the most appropriate hearing protectors for musicians for use both on stage or during practice sessions, as well as for the concert visitor. The filters can easily be exchanged by the user. Colour chart and special effects on demand.

## Process

An ear impression is required to be able to produce these custom hearing protectors. In order to do that, you can contact one of our certified dealers (more info on [www.variphone.com](http://www.variphone.com)) or our team of audiologists/ HearingCoaches. Once these imprints have arrived, the production process in our laboratory can start.

A second appointment is needed for delivery by our dealer/audiologist. During this visit a seal test (functional check) is performed and individual guidance is given concerning the use and maintenance of the hearing protection.

## Variphone Hi-Fi Plug: Universal reusable hearing protection

The Hi-Fi Plug is a reliable, universal hearing protector that attenuates sound by approximately 20 dB whilst safeguarding sound quality. In other words, volume of sound is being reduced without distorting the music. Because of their linear attenuation they are feasible for different applications.



Custom MEP's



Universal Hi-Fi Plug

Authorised distributor

## Specifications

<b>CLASSIFICATION</b>	• IN-THE-CANAL DESIGN WITH CHOICE OF FILTERING
<b>VERSION</b>	• STANDARD ITC
<b>MATERIAL</b>	• 60 SHORE MULTIGRADE SILICON MATERIAL
<b>WEIGHT</b>	• ON AVERAGE 4 g
<b>INDIVIDUAL COMPONENTS</b>	• DIFFERENT ATTENUATION VALUES
<b>ACCESSORIES</b>	• POUCH, CLEANING CLOTH, TOOL FOR REMOVING EARWAX • USER MANUAL
<b>OPTIONS</b>	• MULTIPLE COLOURS POSSIBLE
<b>FUNCTIONAL CHECK</b>	• PNEUMATIC
<b>QUALITY LABEL</b>	• EN 352-2:2020
<b>TEST REPORT</b>	• 771402-U01

## Attenuation values

MEP		63	125	250	500	1K	2K	4K	8K
<b>MF [dB]</b>									
MEP 10	15,3	15,9	14,1	13	12,9	12,8	14,5	19,1	
MEP 15	18,8	19,1	17,6	17,4	18,9	15,5	16,3	21	
MEP 25	25,3	24,1	24,8	23,5	24,9	25,6	21,9	33,2	
MEP 30	27,5	29,4	28,4	28,3	28,1	31,2	25,7	40,8	
<b>SF [dB]</b>									
MEP 10	3,3	4,9	3,3	4,3	3,5	4,7	3,4	4,8	
MEP 15	4,3	4,9	3,4	3,7	3,2	3,3	3,3	4,8	
MEP 25	3,7	4	3,7	3,6	4,1	3,7	2,8	4,2	
MEP 30	3,8	4,8	5,4	6,4	5,7	4,6	4,5	5,7	
<b>APV [dB]</b>									
MEP 10	12	11	10,8	8,7	9,4	8,1	11,1	14,3	
MEP 15	14,5	14,2	14,2	13,7	15,7	12,2	13	16,2	
MEP 25	21,6	20,1	21,1	19,9	20,8	21,9	19,1	29	
MEP 30	23,7	24,6	23	21,9	22,4	26,6	21,2	35,1	
<b>FILTER</b>					<b>SNR</b>	<b>H</b>	<b>M</b>	<b>L</b>	
MEP10	MEAN [dB]				14,1	13,2	12,6	12,9	
	STANDARD DEVIATION [dB]				3,3	3,7	3,2	3,1	
	VALUE [dB]				11	10	9	10	
MEP15	MEAN [dB]				17,6	15,9	16,9	17	
	STANDARD DEVIATION [dB]				2,4	2,8	2,2	2,4	
	VALUE [dB]				15	13	15	15	
MEP25	MEAN [dB]				24,6	23,7	23,5	23,6	
	STANDARD DEVIATION [dB]				2	2,2	2,4	2,5	
	VALUE [dB]				23	22	21	21	
MEP30	MEAN [dB]				28	27,6	26,8	27,1	
	STANDARD DEVIATION [dB]				2,8	3,5	3,3	4	
	VALUE [dB]				25	24	24	23	

The MEP 10 filter does not meet the minimum attenuation requirements in accordance with EN 352-2:2020.

MF: average attenuation  
SF: standard deviation  
APV: assumed protection value  
SNR: Single Number Rating

H: mean attenuation in mainly high frequency noise (> 2000 Hz)  
M: mean attenuation in mid frequency noise (500-2000 Hz)  
L: mean attenuation in low frequency noise (< 500 Hz)