



## INSTRUCTIONS FOR USE OF EAR MUFF

Type: EP-101 EP-103 EP-104 EP-106 EP-107 EP-108 EP-109

**Application:** When worn properly and given adequate care, it provides excellent protection that filters high frequency noise which is found in most noise problems from dynamic machine such as workshop equipment, motor saws etc..

**Requirements:** This hearing protector complies with the requirements of the European Directive 89/686/EEC annex II by means of the European Standard EN352-1:2002 "Hearing protectors – general requirements – Part 1: Ear muff".

**Mark:** The appropriate marking \* can be found on the cups.

\*CE mark was issued by the notified body:

EP-101 = 0501 (CRITT SPORT LOISIRS) EP-103 = 0501 (CRITT SPORT LOISIRS) EP-104 = 0403 (FIOH)

EP-106 = 0501 (CRITT SPORT LOISIRS) EP-107 = 0501 (CRITT SPORT LOISIRS) EP-108 = 0501 (CRITT SPORT LOISIRS)

EP-109 = 0501 (CRITT SPORT LOISIRS)

**Use:** 1. Extend headband to maximum "open" position and place the cups over the ears with the headband passing over the head.

2. Settle the headband in position on the head while adjusting the height of the ear cups until they feel comfortable and the headband rests on top of the head to support the muffs.

3. The ear cushions should be a snug fit against the head.

4. Adjust the headband & ear cups to ensure an effective noise seal.

**Replacement:** In order to keep the best product features and avoid any materials change its quality, please replace whole product at least every 2-3 years. Do not replace any part by yourself, it might reduce the protective feature of product; even destroy its overall structure.

**Warning:** 1. These ear muffs belong to the "range of small" and "range of large" sizes. The ear muffs conform to EN352-1 belong to the "range of medium size" or the "range of small size" or the "range of large sizes". The ear muffs belonging to the "range of medium sizes" are suitable for most people. The ear muffs belonging to the "range of small/large sizes" are designed to suit the people who ear muffs belonging to the "range of medium sizes" are not suitable.

2. The earmuff should be regularly checked for serviceability. Put the earmuffs on before exposing to noise, and wear them during the whole noise exposure. Be warned that failure to adhere to these recommendations will cause the protection afforded by the earmuffs to be severely impaired.

3. This product may be adversely affected by certain chemical substances. Further information should be sought from the manufacturer.

4. Ear muffs, and in particular cushions, may deteriorate with use and should be examined at frequent intervals for cracking and deterioration. Replace ear-muffs after 2 to 3 years normal use or sooner if they show any signs of deterioration.

5. The fitting of hygiene covers to the cushions may affect the acoustic performance of earmuffs.

**Attenuation values:**

**EP-101 SNR: 25.7 dB H: 30.0 dB M: 23.1 dB L: 14.5 dB**

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	13.2	10.0	16.6	25.1	31.4	31.7	37.8	34.9
Standard Deviation (dB)	3.0	3.2	2.8	3.3	3.2	3.2	4.7	6.7
APV (dB)	10.2	6.8	13.9	21.8	28.3	28.5	33.1	28.2

**EP-103 SNR: 23.9 dB H: 28.7 dB M: 20.9 dB L: 13.0 dB**

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	14.7	9.6	14.6	23.2	27.0	31.0	38.6	36.6
Standard Deviation (dB)	3.3	4.1	2.8	3.6	3.0	3.9	3.0	5.5
APV (dB)	11.4	5.5	11.8	19.6	24.0	27.0	35.6	31.1

**EP-104 SNR: 19 dB H: 22 dB M: 15 dB L: 11 dB**

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
Mean Attenuation (dB)	8.0	12.5	15.4	17.0	24.0	34.3	39.4	38.6	36.6
Standard Deviation (dB)	2.8	2.9	3.3	1.9	3.2	3.3	1.7	3.6	4.4
APV (dB)	5.2	9.6	12.1	15.1	20.8	31.0	37.7	35.0	32.2

**EP-106 SNR: 25.5 dB H: 30.8 dB M: 22.5 dB L: 14.8 dB**

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	12.8	10.5	17.0	23.7	30.1	33.0	39.1	40.9
Standard Deviation (dB)	3.4	3.0	3.1	4.2	3.1	4.0	3.0	4.9
APV (dB)	9.4	7.5	13.9	19.4	27.0	29.0	36.1	36.0

**EP-107 SNR: 28.5 dB H: 34.1 dB M: 26.2 dB L: 15.8 dB**

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	13.7	11.4	22.1	29.0	37.5	35.8	38.4	38.5
Standard Deviation (dB)	4.5	4.0	4.4	2.2	3.0	3.8	3.8	3.4
APV (dB)	9.2	7.4	17.7	26.7	34.5	32.0	34.6	35.1

**EP-108 SNR: 24.3 dB H: 31.6 dB M: 21 dB L: 13.3 dB**

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	12.9	11.3	14.6	22.4	29.7	34.7	43.9	43.1
Standard Deviation (dB)	4.5	3.2	4.2	3.4	3.2	3.5	5.6	6.5
APV (dB)	8.4	8.1	10.4	18.9	26.5	31.2	38.3	36.7

**EP-109 SNR: 29.8 dB H: 32.1 dB M: 27.4 dB L: 19.9 dB**

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	18.3	15.8	21.5	31.5	35.1	35.1	37.4	39.6
Standard Deviation (dB)	5.7	2.7	3.2	4.7	4.7	4.9	3.8	4.4
APV (dB)	12.6	13.0	18.3	26.8	30.5	30.2	33.6	35.2

**Weight of the ear-muff :** EP-101 = 158g EP-103 = 182g EP-104=167g EP-106 = 166g EP-107=247g EP-108=195g EP-109=258g

**Cleaning:** Cleaning with warm soapy water, do not use organic solvents or alcohol for cleaning.

**Disinfection:** 1. It's required to disinfect the ear-muff every 3 months, according to the use.

2. Any part of the ear muff which is in contact with the wearer shall be disinfected with a product suitable for use on plastics and not known to be harmful to the wearer.

**Material :** POM headband, ABS/HIPS cup and soft PVC leather.

**Storage:** 1. When not in use, it is recommended to store the ear muff in a clean and dry poly-bag.

2. For models equipped with PVC leather headband, it is not allowed to store the products in the temperature higher than 45°C. The environmental friendly material used for the PVC leather will have qualitative change under excessive high temperature either in transportation or storage over time.

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