“An investment in knowledge pays the best interest.”

Benjamin Franklin

VIBRATION, PULSATION, ACOUSTICS & FATIGUE
Technology for Problem Solving

ER-20

General Information

ETY•Plugs® High-Definition Earplugs are reusable. Foam earplugs muffle sound. These earplugs use a unique acoustic construction that produces almost equal sound reduction (20 dB) at all frequencies. All sounds and speech remain clear, just quieter, like turning down the volume.

Insertion

- Before inserting earplugs, make sure they are clean.
- Grasp the endcap between thumb and forefinger.
- To ease insertion, pull the top of the ear outward and upward.
- Gently push and twist the earplug until the eartip seals in the ear canal.
- Moistening the eartip may ease insertion.

Removal

- Remove with a slow twisting motion to gradually break the seal and avoid discomfort.
- After removal, place earplugs in a clean protective case.

Cleaning

- Do not take earplugs apart.
- Clean after each use.
- Wipe clean with a damp cloth as needed.
- Do not immerse earplugs in water.
- Do not clean with harsh chemicals.
- Alcohol is not recommended.

Storage

- Always store earplugs in canister
- Do not store other objects with Earplugs

Warnings

- Do not use ER20 in work place witout approval from safety officer
- ER20 does not replace ordinary hearing protection
- These earplugs comply with EN-352-2 standard of measurement.
- The triple-flange eartip must be fitted, adjusted and maintained properly, i.e., seal the ear completely to achieve the expected attenuation and hearing protection.
- Use earplugs continuously when noise levels are potentially harmful.
- Make certain that the earplugs provide adequate protection for the noisy environment.
- Regularly inspect the earplugs to assure their continued serviceability.
- Never remove the endcap while the earplugs are in use.
- Failure to follow these warnings may severely reduce the amount of hearing protection provided by the earplugs.
- This product may be adversely affected by certain chemical substances.

Frequency in Hz	**125**	**250**	**500**	**1000**	**2000**	**4000**	**8000**
Mean Attenuation in dB	13.2	15.3	16.7	18.3	20.8	18.3	21.6
Standard Deviation in dB	2.5	2.3	2.2	3.1	2.8	2.0	2.9
APV in dB	10.7	13.0	14.5	15.2	18.0	16.3	18.7

H = 17 dB, M = 16 dB, L = 14 dB, SNR = 18 dB

H: Average attenuation characteristics in the high frequency spectrum (> 2 kHz)
M: Average attenuation characteristics in the mid frequency spectrum (0.5-2 kHz)
L: Average attenuation characteristics in the low frequency spectrum (<0.5 kHz)
APV (Assumed Protection Value): Europe SNR (Single Number Rating): Average attenuation characteristics in the standard frequency spectrum
European Union testing conducted by: CIOP-PIB No.1437, Warsaw, Poland.
Attenuation was determined in accordance with EN352-2:2002.
CIOP-PIB No 1437, Warsaw, Poland

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