

Hyskore®

OVER & OUT® STEREO ELECTRONIC HEARING PROTECTION

30285
30286
30287
30288
30289



Requires 4 AAA Batteries (Not Included)

You have purchased a unique product. It was originally developed for shooting sports where it is necessary to protect hearing from sudden loud noises but also allow unrestricted hearing of safety commands. Needless to say, electronic hearing protectors are the perfect safety companion for indoor power tools (table saws, routers, etc.), outdoor power equipment (chain saws, trimmers, leaf blowers, etc.) and construction equipment (tractors, jack hammers, fastening guns, etc.).

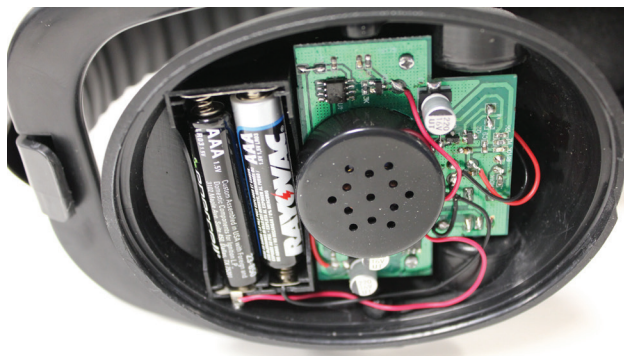
Turn the switch on and adjust the volume at each ear until you hear sounds at their normal volume. If you increase the volume, hearing will be amplified. The LED will indicate that the circuit is on. The unit consists of a speaker in each ear pod, a control circuit, and a microphone and volume control for each ear. When any sound increases above 85 dB, the circuit recognizes the noise and stops transmission to the speakers before the sound reaches the ear. When the sound level falls below the 85 dB, normal hearing is restored.

This model has 2 microphones and offers stereo reception and functions in a manner similar to your ears so that you can better recognize the origin of a sound.

BATTERY REPLACEMENT



Use a coin to pry off the ear cushion on each ear pod. Remove the foam baffle. There are no user serviceable electronic parts in this product.



When inserting new batteries make certain that the + & - are aligned correctly. The negative (-) end of the battery goes against the spring. The (+) positive end of the battery fits against the contact with the dimple. Requires 2 AAA batteries in each ear cup.

Head Band Adjustment



To adjust, gently pull on pod. It will slide downward approximately 2 $\frac{3}{4}$ ".

Trouble Shooting Guide

Problems	Solutions
Fails to turn on	A) Replace Batteries (4 x AAA) B) Make certain batteries are correctly positioned.
Fails to amplify sound or fails to cut out	Replace the batteries when the voltage is too low otherwise the circuits will not operate correctly.
Static	A broad band microwave device, such as a cell phone is transmitting within 12.5m (40 ft.). Or there is HID (High Intensity Discharge) lightning or similar device in the immediate area.
LED fails to light	Check switch or batteries
Humming or Background Noise	The microphone is very sensitive. Ventilation or air conditioning fans, motors, car or truck traffic and other "white noise" sounds will be amplified. Turn down volume to reduce this type of interference.

These hearing protectors have been tested to protect at an NRR of 20-23. However, this level of protection is based upon standardized test fixtures in the laboratory without the intervention of any extraneous conditions. In other words, the shape of a person's head and/or how their hair is cut could permit sound incursion, which reduces the protection level. One of the most overlooked factors that reduces the effectiveness of any muff type hearing protection is eyeglasses. If you wear glasses your protection level could be compromised because the arms of the glasses prevent the ear cushions from making a tight seal against the head.

In order to maximize the level of hearing protection available from any electronic muff style hearing protection, the best procedure is to first use foam ear plugs (these usually protect at a level of NRR 25 to 30) and then wear the electronic hearing protection (over the foam plugs) with the volume level turned high enough so you can still hear comfortably. What will happen when there is a loud noise is that the hearing protectors will default and protect at their passive level, and the foam ear plugs will protect at their NRR. This is an effective technique used by many people in sustained high noise level environments.

• **REPLACEMENT PARTS** •

These are replacement parts for purchase. Pictures do not represent contents of set.



Parts List & Pricing:

30285 - 1	Ear Cushion and Foam Baffle.....	\$ 7.50
30285 - 2	Foam Diffusers (2 Pcs.)	\$ 5.00
30285 - 3	Knobs (2 Pcs.)	\$ 5.00
30285 - 4	Head Band and Cushion.....	\$ 7.50
30285 - 5	Stirrup	\$ 5.00

Send Check or Money Order with Phone Number to:
Power Aisle, Inc.
 P.O. Box 983
 Middleburgh, NY 12122
 NYS Resident add 8.75% Sales Tax

** \$5.00 Shipping & Handling to
 Lower 48 States**
 ** \$10.00 Shipping & Handling to
 Alaska, Hawaii, Puerto Rico**

Visit our website: www.hyskore.com

1.0 Test Articles – Ten Model (30285, 30286, 30287, 30288, 30289) Hearing Protectors.

2.0 Applicable Specifications – ANSI S12.42, (ANSI S3.19) Physical Method.

3.0 Test Results – The results of the hearing protector acoustical tests and the Noise Reduction Rating (NRR) calculations are presented in Table 3.1. In accordance with 40CFR PART 211 – Product Noise Labeling, “Spectral uncertainty. Possible variation in exposure to the noise spectra in the workplace. (To avoid the under protection that would result from these variations relative to the assumed “Pink Noise” used to determine the NRR, an extra three decibel reduction is included when computing the NRR.) “ The NRR rating in accordance with 40CFR211 is shown in Table 3.1. Table 3.1: Model (30285, 30286, 30287, 30288, 30289) Earmuff NRR Calculation Worksheet

Measured 1/3-octave Data			Exterior to Earmuff		Average Protection Value	
1/3 octave centerband frequency	Sound levels exterior to Earmuff		Average Earmuff Attenuation	Standard Deviation of Attenuation	C-weighted Sound Levels	A-weighted Sound Levels
125	93.2	2.2	2.1	93.0	77.1	77.0
160	92.3	6.2	2.0	92.2	78.9	74.7
200	91.6	11.9	2.0	91.6	80.7	70.9
250	89.6	18.7	3.2	89.6	81.0	65.5
315	88.6	22.9	6.1	88.6	82.0	65.2
400	90.4	24.6	4.9	90.4	85.6	66.0
500	87.4	28.9	4.7	87.4	84.2	60.0
630	88.4	32.6	5.3	88.4	86.5	59.2
800	88.0	35.4	6.7	88.0	87.2	58.5
1000	90.3	37.6	5.7	90.3	90.3	58.5
1250	92.0	31.9	4.6	92.0	92.6	65.3
1600	91.9	39.3	5.7	91.8	92.9	59.2
2000	96.0	36.1	4.1	95.8	97.2	65.2
2500	94.2	35.1	4.0	93.9	95.5	64.3
3150	87.9	34.3	2.8	87.4	89.1	57.5
4000	84.2	30.3	3.3	83.4	85.2	58.3
5000	79.3	34.5	3.3	78.0	79.8	48.6
6300	74.3	48.4	3.2	72.3	74.2	29.1
8000	70.3	50.1	2.7	67.3	69.2	21.8

Overall C Weighted Level = 103.2

Overall A Weighted Level = 80.7

OSHA Adjusted NRR Value = 20

Instructions For Use:

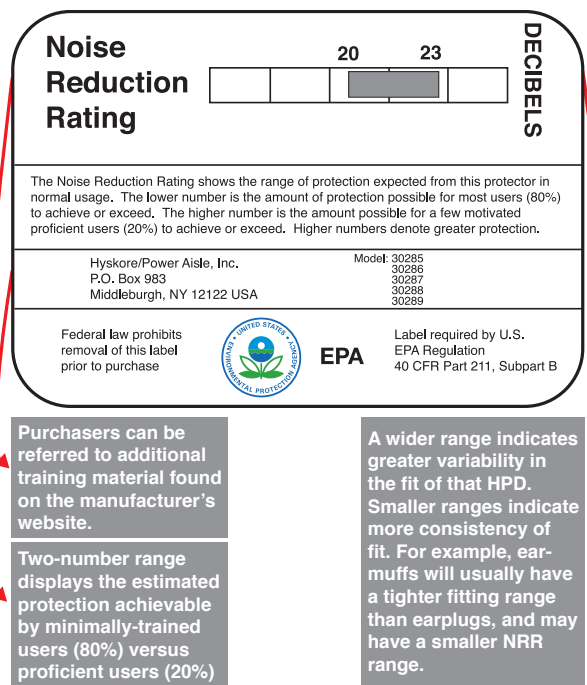
When worn properly and given adequate care, this sound muffler provides excellent protection by filtering out high frequency noise caused by machinery, motors, saws, and gunfire.

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 fit of the ear cups up or down until they feel comfortable and the headband rests on the top of the head to support the muffs.
3. Make sure that the headband is evenly adjusted, left to right. The ear cushions should be a snug fit against the head.
4. Make sure to get as little hair as possible between the ear cushions and your head.

WARRANTY AND DISCLAIMERS

HYSKORE/Power Aisle, Inc. guarantees that its products are free from defects in material and workmanship for a period of 90 days from the original date of purchase. This Warranty applies to non-commercial use only. Commercial use voids this warranty. In the event of any defects in material or workmanship, HYSKORE/Power Aisle, Inc.’s sole liability therefore shall be the replacement of any such product(s) and/or components that are defective in material or workmanship. The replacement of any such product(s) and/or components shall be HYSKORE/Power Aisle, Inc.’s sole responsibility. This warranty specifically excludes any and all consequential or accidental damages. No other warranties or liabilities whatsoever are either expressed or implied. If any such warranties shall be imposed by law, notwithstanding this provision, then such warranties shall be the responsibility of HYSKORE/Power Aisle, Inc.’s immediate buyer. There shall be no warranties of merchantability, use of trade, or fitness for a particular purpose. Alteration of any product, misuse, or exceeding any stated product limitations voids this warranty. All returns, adjustments, etc. are the responsibility of the retailer/dealer that sold the product. HYSKORE/Power Aisle, Inc. handles return issues through its dealers. It should be obvious when using some of these products that approved protective safety gear, including, but not limited to, eye and ear protection, should be utilized. Using the appropriate safety gear is the sole responsibility of the person(s) using the product. It should also be obvious that certain products such as silica gel, etc. must not be consumed, inhaled or taken internally. The user takes full responsibility for inappropriate or incorrect use of these items. In the event an inadvertent event takes place, Material Safety Data Sheets (MSDS) are available on the HYSKORE website. www.hyskore.com. We do not sell guns, scopes, ammunition, cleaning accessories, etc. These accessories are used in many of our product pictures, as props to illustrate how the products are used. As such, they are not included with any product. All photographs, drawings, copy, instructions, etc. are the exclusive property of HYSKORE/Power Aisle, Inc. All downloadable files are intended for the use of the end user of HYSKORE/Power Aisle, Inc.’s products and cannot be reproduced without the express written permission of HYSKORE/Power Aisle, Inc. ©2015

Important: This product will operate within a temperature range of -20°F to +110°F and within a relative humidity range of 0% to 98%, it can not be submerged. Submersion will permanently damage the circuit and void the warranty. The operation of cell phones within 12.5m may cause static.



Example:

1. The environmental noise level as measured at the ear is 93 dBA
2. The NRR is 27 decibels (dB)
3. The level of noise entering the ear is approximately equal to 64.5 dBA

CAUTION

For noise environment dominated by frequencies below 500Hz, the C-weighted environmental noise level should be used. Improper fit of this device will reduce its effectiveness in attenuating noise. Although hearing protectors can be recommended for protection against the harmful effects of impulse noise, the Noise Reduction Rating is based on the attenuation of continuous noise and may not be an accurate indicator of the protection attainable against impulsive noise, such as gunfire.

Tested to ANSI Ss. 19-1974 (R 1979) section 4 by certified laboratory Engineering Dynamics incorporated Report No. T-Power Aisle-2

INFORMATION REQUIRED BY EPA:

The level of noise entering a person's ear, when Hearing Protector is worn as directed, is closely approximated by the difference between the A-weighted environmental noise and the NRR.