

HEARING PROTECTION



Industrial Protective Products (WA)
Supporting Better Products



Hearing - Protection

Hearing Protection

Excessive noise cannot only cause short term ringing in the ears but also cause permanent damage. To ensure maximum protection during low to high-level noise environments IPP(WA) has a range of revolutionary products to meet stringent Australian hearing safety regulations.

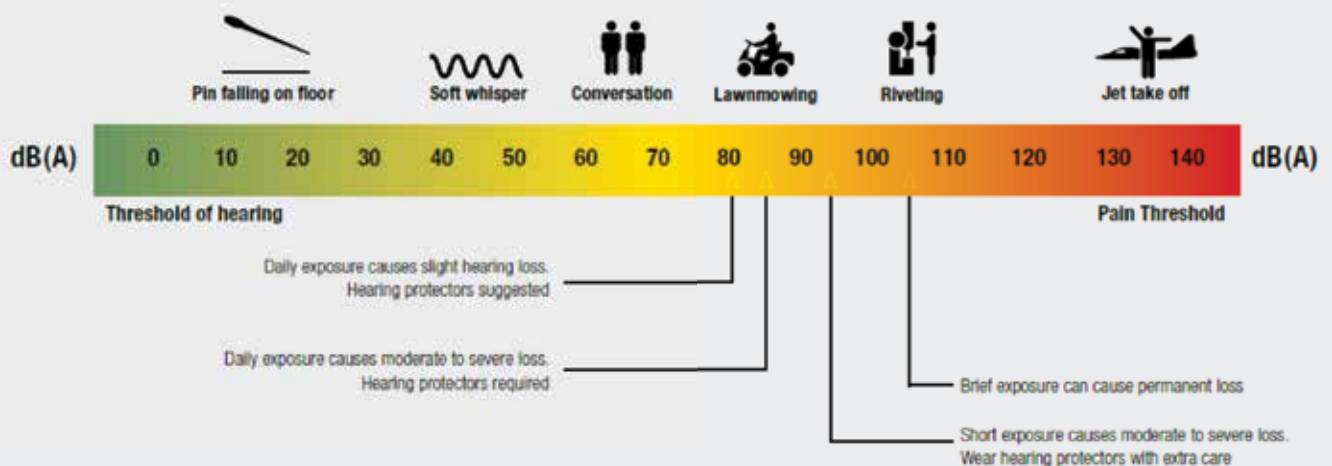
Selecting suitable hearing protection

Comfort and the ability to wear hearing protection for the full duration of the noise exposure are primary considerations. The MSA range includes models specifically designed to be worn in conjunction with protective headwear.

Passive ear muffs can be fastened to the hard hat, and raised or lowered on demand. Disposable corded ear plugs offer an alternative to helmet-mounted ear muffs, because they provide convenience, comfort, and low cost as well as high noise-reduction ratings.

Performance is the other key issue. In Australia and New Zealand the class system is used to assist with selecting the right hearing protection. Under this system hearing protection devices are grouped together according to their attenuation (SLC80 rating) and the noise level with which they can be used.

Easy To Damage - Easy To Protect



Hearing - Protection



Class	SLC 80 Range Decibels	For Use in Noise Levels (max 8 hours exposure)
1	10-13	< 90dB(A)
2	14-17	90 - <95
3	18-21	95 - <100
4	22-25	100 - <105
5	26+	105 - <110

Hearing Standards

Upwards of 85dB wearing of hearing protection is compulsory

Upwards of 80dB Provision of hearing protection is recommended

Applicable Standards

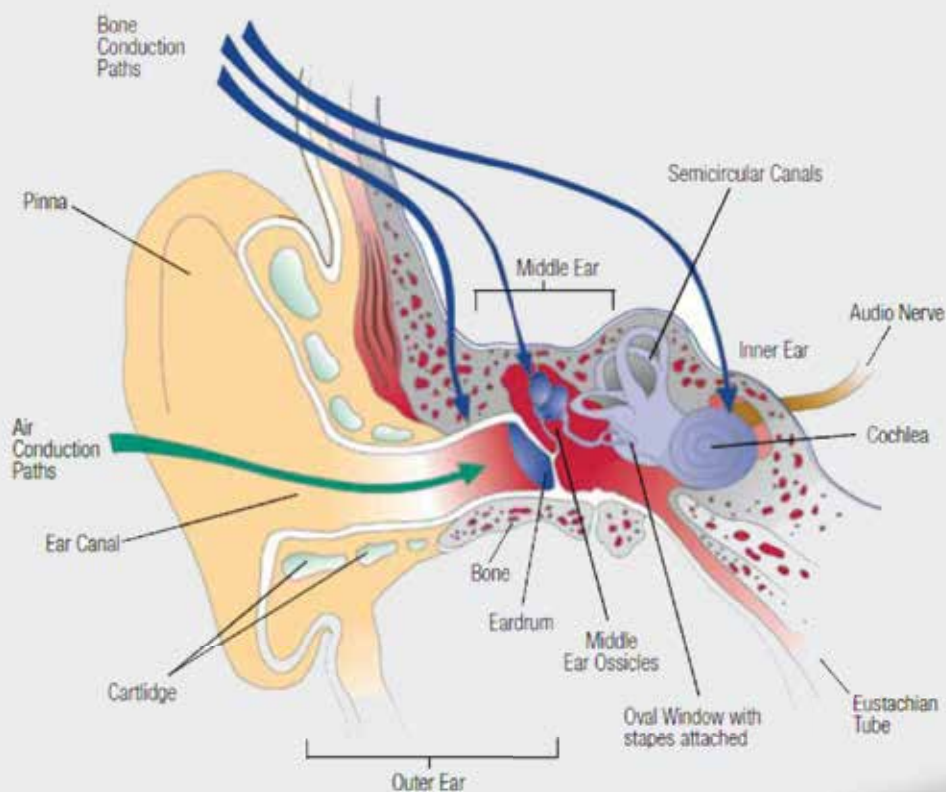
AS/NZS 1270:2002 Acoustic - Hearing Protectors

EN 352-1 Ear muffs

EN 352-2 Ear plugs

EN 352-3 Helmets and earpieces

Cross Section Of Ear



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Hearing - Protection

Hearing Protection Use and Care

Disposable Earplugs



How to use

Slowly roll and compress foam earplugs into a very thin cylinder. While compressed, insert the earplug well into the ear canal. Fitting is easier if you reach around the head to pull the ear outward and upward during insertion.

Care and cleaning

Keep the earplugs clean and free from material that can irritate the ear canal.



Reusable Pre Moulded Earplugs



Reach around the back of your head and pull outward on the ear while inserting the plug until you feel it sealing. This may seem tight at first, especially if you have never worn earplugs.

Pre-moulded earplugs could last several months depending on the type and on your work environment, hygiene and body chemistry. They should be replaced if they shrink, harden, tear, crack or become permanently deformed. Wash them in warm soapy water and rinse well. When dry, store them in a carrying case.



Banded Earplugs



Hold the large ends of the pods and swivel them to direct the tips into the ear canal openings. Firmly push and wiggle the pods into the ear canal until a snug seal is obtained. Pulling on the outer ear while pushing the pods will be helpful to most wearers.

Most semi-aural hearing protectors can be cleaned in the same way as pre-moulded earplugs. Since the band holds the tips in place to provide an acoustic seal, do not tamper with it otherwise the protection afforded by the device may be reduced.



Earmuffs



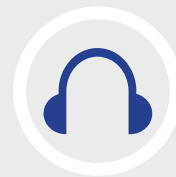
Earmuffs must fully enclose the ears to seal against the head. Adjust the headband so cushions exert even pressure around the ears to get the best noise reduction. Pull hair back and out from beneath the cushions. Do not wear caps, store pencils behind the ear or anything that may break the seal.

Cushions can be cleaned with warm soapy water and rinsed thoroughly. Do not use alcohol or solvents. Cushions normally need replacing at least twice a year or more – whenever they become stiff, cracked, or do not seal. Do not modify earmuffs in any way, and especially do not stretch or abuse the headband as this will reduce protection.



Hearing - Protection

Earmuffs - Passive



100% Usage

Damage to hearing depends not only on the actual noise level but also exposure time. Just five minute's carelessness during an eight-hour day can potentially lead to lifelong hearing loss.

That's why 100% usage is critical in noisy environments if you are to get the protection that the chosen hearing protector provides. Choose a comfortable hearing protector that suits you and your needs.



100% usage.
Gives the expected protection.



99% usage.
Just five minute's carelessness per day significantly reduces the effect of the hearing protector.



90% usage.
Virtually no protection.



Viking® V1 Earmuff

HE BIL 2450 - V1 Earmuff

The Viking V1 is a low profile three-position earmuff, providing maximum wearing flexibility.

- Non-deforming headband withstands rough treatment
- Quick replacement snap-in ear cushions
- 3-position headband allows easy use with other PPE
- SLC80 25dB Class 4



Viking® V2 Earmuff

HE BIL 2450 - V2 Earmuff

The Viking V2 is a medium profile three-position earmuff, providing maximum wearing flexibility.

- Non-deforming headband withstands rough treatment
- Quick replacement snap-in ear cushions
- Inner-ventilated headband for a soft and comfortable contact surface
- 3-position headband allows easy use with other PPE
- SLC80 32dB Class 5



Viking® V3 Earmuff

HE BIL 2421S - V3 Earmuff

The Viking V3 is a broad profile three-position earmuff, providing maximum wearing flexibility.

- Non-deforming headband withstands rough treatment
- Quick replacement snap-in ear cushions
- Inner-ventilated headband for a soft and comfortable contact surface
- Headband strap improves comfort and fit when worn with other PPE
- 3-position headband allows easy use with other PPE
- SLC80 32dB Class 5



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Hearing - Protection

Earplugs - Re-useable



Leightning L3HV Hi-Visibility Headband Earmuff

HE BIL 1013941 - L3HV Headband High visibility earmuff 31dB

Key Features

Bright green earcups provide high visibility and contrast Reflective padded headband illuminates under light for increased visibility and safety Ideal to wear at night, during the day, in low light and under inclement weather conditions Patented Air Flow Control™ technology provides optimal attenuation across all frequencies Robust steel headband withstands demanding use, especially in tough environments Snap-in ear cushions make replacement quick and easy

Leightning works well in extreme temperatures/humidity and under aggressive chemical influences.

- Air Flow Control™ Technology provides better, consistent attenuation, especially at low frequencies.
- Optimal protection for virtually all noise frequency environments.
- Robust design withstands demanding use, especially in tough environments.
- Snap in ear cushions makes cushion replacement quick and easy.
- Padded foam headband delivers long wearing comfort.
- Minimal headband pressure on the head.
- Telescoping height adjustment for individual setting and personalized comfort, and remains fixed during use.
- Contemporary design improves worker acceptance and compliance.
- Medium profile cup.
- Sleek, anatomic behind-the-head design.
- SLC80 31dB Class 5



Thunder T3s Headband Earmuff

HE BIL 1010970 - Thunder T3 Headband Earmuff

Key Features

Dielectric construction suitable for all workplaces, especially electrical environments Uniform headband pressure for all head sizes, providing better comfort for long-term wear Inner-ventilated headband minimizes pressure on the head, breathes easier in warm/humid climates

Non-deforming outer headband withstands rough treatment in the toughest workplaces Patented Air Flow Control technology provides optimal attenuation across all frequencies Quick-Click height adjustment remains fixed during wear Snap-in ear cushions make replacement quick and easy.

- Easy storage when not in use.
- Extremely lightweight design rests comfortably on the head.
- Lower attenuation provides reliable protection marginal noise or intermittent exposure.
- Optimal protection for virtually all noise frequency environments.
- Snap-In Ear Cushions makes cushion replacement quick and easy.
- SLC80 33dB Class 5



Hard Hat Adaptors

HE BIL 3702 - Universal clip on for non-slotted hard hats

HE BIL 3714 - Protector/Scott/Paramount hard hats

HE BIL 3718 - MSA hard hats

Easy to snap into slots or mount onto hard hats.



Clarity Sound Management Earmuff

HE BIL 1011146 - Clarity C3 - headband earmuff SLC80 28dB Class5. Approved to AS/NZS 1270:2002. License number 1133.

HE BIL 1011146 - Clarity C3 - headband earmuff SLC80 28dB Class5. Approved to AS/NZS 1270:2002. License number 1133.

Key Features

Patented Sound Management Technology's uniform attenuation allows wearer to hear co-workers, instructions, and other important sounds more naturally while blocking out harmful noise Dielectric construction suitable for all workplaces, especially electrical environments Uniform headband pressure for all head sizes, providing better comfort for long-term wear Quick-Click height adjustment remains fixed during wear Snap-in ear cushions make replacement quick and easy

- Available in headband, neckband & helmet attachment formats
- High visibility option available
- Liquid & foam filled cushions provide a quality noise seal with low pressure for all day wearer comfort
- Stainless steel headband wires with four point suspension helps distribute cushion pressure evenly & earcups pivot for consistent fit
- SLC80 28dB (Class 5).



Slim Belt Clip

HE HL 1016730 - Slim Belt Clip

- Secure, stays securely attached to a belt, waistband or pocket.
- Slim Design, lays flat against the body when carrying earmuff.

Hearing - Protection

Earplugs - Re-useable



Thunder® T1H Ear muff

HE BIL 2718/3714 - Thunder T1H Cap Mount earmuff complete with 3714 hard hat adaptor

HE BIL 2718 Thunder T1H Over the Head Ear muff

- Suitable for virtually all workplaces, especially electrical and mining environments.
- Air Flow Control™ Technology for better, consistent attenuation, especially at low frequencies.
- Low profile earcup design.
- SLC80 26dB Class 5



Thunder® T2H Ear muff

HE BIL 2728/3714 - Thunder T2H Cap Mount earmuff complete with 3714 hard hat adaptor

HE BIL 2728 Thunder T1H Over the Head Ear muff

- Suitable for virtually all workplaces, especially electrical and mining environments.
- Air Flow Control™ Technology for better, consistent attenuation, especially at low frequencies.
- Medium profile earcup design.
- SLC80 30dB Class 5



Leightning® L2N Ear muff

HE BIL 1011995 - L2N Neckband 31dB

HE BIL 1011993 - L2N Over the Head Ear muff 31dB

HE BIL 1011994 - L2N Hat Mounted Ear muff 31dB

HE BIL 1011995 - L2N Neckband 31dB

The Leightning L2 earmuff range features provides high performance and robust durability without compromising comfort.

- Medium profile cup.
- Also Available in High Visibility Colour Option.
- SLC80 31dB Class 5



Leightning® LON Ear muff

HE BIL 1013460 - LON Neckband 25dB

When you need to block Leightning Ultraslim earmuffs provide reliable protection in most noise environments.

- LON Neckband - allow usage together with most welding helmets.
- Easy storage when not in use.
- Extremely lightweight design rests comfortably on the head.
- SLC80 25dB Class 4



Hygiene Kits Bilson/Howard Leight

HE BIL 1011998 - Hygiene Kit L1/L1H/L1N/LON

HE BIL 1011999 - Hygiene Kit L2/L2H/L2N

HE BIL 1010974 - Hygiene Kit T1/T1H

HE BIL 1010975 - Hygiene Kit T2/T2H

HE BIL 1006018 - Hygiene Kit V1, Blue Comfort

HE BIL 1010977 - Hygiene Kit V2 old style

HE BIL 1010978 - Hygiene Kit V3 old style

HE BIL 1006017 - Hygiene Kit C2

HE BIL 1006081 - Hygiene Kit C3/C3H



Cool Pad Absorbent Pads

HE BIL 1000365 - Cool II Absorbent Pads - 5 pr pouch 3456

HE BIL 1000364 - Cool II Absorbent Pads - 100 pr disp 3455

- Apply to ear cushions to improve overall comfort and hygiene of earmuff wear
- Keeps ears warm in cold climates, absorbs moisture in humid areas
- Made of dermatologically tested material

Order Information



Call 08 9330 6355



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Hearing - Protection

Earmuffs - Passive



Peltor H10 Earmuffs

HE 3M H10A - Over head

HE 3M H10B - Behind neck

HE 3M H10P3G - Cap attachable

HE 3M HY10 - Hygiene Kit for H10 Earmuffs (Cushion and Foam Liner)

HE 3M HY100A - Peltor Clean Hygiene Pads

- Represents the ultimate in earmuff technology by combining extreme noise protection with exceptional wearer comfort
- High visibility option available
- Liquid & foam filled cushions provide a quality noise seal with low pressure for all day wearer comfort
- SLC80 33dB (Class 5).



Peltor H7 Earmuffs

HE 3M H7A - Over head

HE 3M H7B - Behind neck

HE 3M H7P3G - Cap attachable

HE 3M HY7 - Hygiene Kit for H7 Earmuffs (Cushion and Foam Liner)

HE 3M HY100A - Peltor Clean Hygiene Pads

- Low profile design earmuffs specially engineered for high comfort & continuous wear
- Liquid & foam filled cushions provide a quality noise seal with low pressure for all day wearer comfort
- SLC 80 30dB Class 5



Peltor H9 Earmuffs

HE 3M H9A - Over head

HE 3M H9B - Behind neck

HE 3M H9P3G - Cap attachable 25mm slot

HE 3M HY5 - Hygiene Kit for H9 Earmuffs (Cushion and Foam Liner)

HE 3M HY100A - Peltor Clean Hygiene Pads

- Low profile design earmuffs specially engineered for high comfort & continuous wear
- Liquid & foam filled cushions provide a quality noise seal with low pressure for all day wearer comfort
- SLC80 24dB (Class 4).



Peltor H6 Earmuffs

HE 3M H6A - Over head

HE 3M H6B - Behind neck

HE 3M H6P3G - Cap attachable

HE 3M HY5 - Hygiene Kit for H6 Earmuffs (Cushion and Foam Liner)

HE 3M HY100A - Peltor Clean Hygiene Pads

- Versatile high quality earmuffs meet the protection needs of almost any working environment
- High visibility option available
- Liquid & foam filled cushions provide a quality noise seal with low pressure for all day wearer comfort
- SLC80 22dB (Class 4).



Peltor Welders Earmuff

HE 3M H505B

HE 3M HY5 - Hygiene Kit for H505B Earmuffs (Cushion and Foam Liner)

HE 3M HY100A - Peltor Clean Hygiene Pads

- Designed to fit under welding helmets
- Protects against hazardous noise levels but still allows you to hear warning sounds
- Low Profile and light weight
- Comfortable sealing rings
- Hygienic kit available
- SLC80 22dB (Class 4).



3M™ Peltor™ Push-to-Listen Earmuff H7A-PTL 290

HE 3M H7A-PTL

Push-to-Listen earmuffs allow workers to listen safely without removing their earmuffs. Listeners simply press the button to boost the volume of conversation and other sounds for 30 seconds. Ideal for workers in environments where intermittent ambient listening is required.

Versatile high quality earmuffs meet the protection needs of almost any working environment

Push to listen muffs allow communication at the push of a button

Stainless steel headband wires with four point suspension helps distribute cushion pressure evenly & earcups pivot for consistent fit

SLC80 27dB (Class 5)

Hearing - Protection

Earmuffs - Passive



Peltor M2RX7A 290 WORKTUNES PLUS AM/FM-RADIO TI

HE 3M M2RX7A

HE 3M M2RX7P3G

- The AM/FM radio provides hearing protection with music while you work
- Easy-to-handle volume control knobs for radio and level dependent function
- A short, flexible antenna provides excellent reception with no annoying interference
- Switches automatically from stereo to mono for the best reception in the event of a weak signal
- Headband SLC80: 30dB (Class 5)
- Helmet Attachment: SLC80: 26dB (Class 5)



Peltor MT53H7A430B LITE-COM III LPD 433 Head Band

HE 3M MT53H7A430B

HE 3M MT53H7B430B

HE 3M MT53H7P3G430B

- Designed for people who work in teams or groups, where communication is essential
- 69 two way radio channels on the LPD 433 MHz band
- Built-in active-sound function lets you hear ambient sounds; warning signals, machine sounds, conversation, etc. Sudden impulse noise at harmful levels are immediately attenuated
- Electronic voice guided menu system
- LCD display to visualise standard and advanced settings
- Squelch, VOX and audio input adjustment lets you configure the earmuff
- Headband: SLC80:31dB (Class 5)
- Neckband: SLC80:30dB (Class 5)
- Helmet Attachment: SLC80:27dB (Class 5)



Peltor MT15H7A2-SV ProTac II Headband Black

HE 3M MT15H7A2-SV

- Improves communication and safety
- Level dependent function in stereo that lets you hear ambient sound: conversation, machine sounds and warning signals
- Low battery warning signal
- Automatic shut-off after two hours if no function is used
- Battery life is approximately 1000 hours (AA Batteries).
- Audio input jack for external radio
- SLC80:30dB (Class 5)



3M™ Sound Detector Kit Sd-200

HE 3M SD-200

Compact, lightweight sound level meter.

Measurements include Sound Pressure Level (SPL), Average value (LEQ / LAVG), LED Alert (with Hearing Protection icon), Maximum value (MAX), Minimum value (MIN), Run-Time, Overload (OL), and Under-Range (UR)



Earfit Validation Kit

HE 3M 393-1000

- The unit measures the actual protection levels provided to individual workers by selected E-A-R earplugs
- Accurate objective data is collated & delivered within 8 seconds



3M Noise Indicator NI-100

HE 3M NI-100

- Small, lightweight noise indicator
- Red flashing LED: Noise levels are equal to or above 85 dBA -hearing protection may be required.
- Green flashing LED: Noise levels are below 85 dBA - hearing protection may not be necessary.
- Ideal for hearing conservation programs.



Industrial Protective Products (WA)
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Hearing - Protection

Earplugs - Disposable



Uvex X-fit 26 (dB) Class 5

HE UV XF-UC - lime disposable foam ear plug un-corded

HE UV XF-CD - lime disposable foam ear plug corded

HE UV XF-DT - lime disposable foam ear plug detectable corded

HE UV XF-PB - lime disposable foam ear plug un-corded resalable bag for dispenser

HE UV XF-UC-B - lime disposable foam ear plug un-corded bulk pack

Excellent noise reduction, class 5 (26dB)

- AS/NZS 1270 approved
- ergonomic shape and low expansion pressure for comfortable fitting
- patented x-recess reduces pressure build-up on the outer ear
- 'x' grip for easy fingertip removal



Uvex Com4-fit

HE UV CF-UC - earplug un-corded 22 (dB) class 4

HE UV CF-CD - earplug corded 22 (dB) class 4

HE UV CF-PB - earplug un-corded resalable bag for dispenser 22(dB) class 4

HE UV CF-UC-B - earplug un-corded bulk pack 22 (dB) class 4

- smaller size, suitable for small ear canal
- excellent noise reduction, class 4 (22dB)
- AS/NZS 1270 approved
- ergonomic shape and low expansion pressure for comfortable fitting
- patented x-recess reduces pressure build-up on the outer ear
- 'x' grip for easy fingertip removal
- high visibility magenta colour for easy visual inspection



X-TREME® EARPLUG

HE BIL 1006716 - Uncorded, Individual Poly Bag

HE BIL 1006717 - Polycord, Individual Poly Bag

HE BIL1006821 - Uncorded, 100 Pair Hand Dispenser

HE BIL 1006188 - Uncorded, 200 Pair Wall Dispenser Refill

Brightly coloured tapered earplug ensures compliance and encourages 100% wear time.

- Smooth tapered shape for easy insertion and removal
- Conveniently sized hand dispensing option for easy accessibility
- Wall dispenser unit allows a refillable option for the work area
- SLC80 26dB Class 5



EAR Taperfit II - Plus

HE 3M 312-1219 - Regular size uncorded in poly bag

HE 3M 312-1221 - Large size uncorded in poly bag

HE 3M 311-3224 - Large size corded in poly bag

- Tapered shape provides high attenuation & all day comfort
- Plus size option for larger ear canals
- Available in corded & uncorded formats
- SLC80 26dB (Class 5)



E-A-R™ FX™ Disposable Earplug

HE 3M 312-1261 - Uncorded in poly bag

HE 3M 312-1260 - Corded in poly bag

- Bell shape allows easy insertion and removal
- Flanged end allows easy insertion and removal
- SLC80 26dB (Class 5)



EARSOFT Superfit Earplug

HE 3M 312-1256 - Regular size uncorded in poly bag

HE 3M 311-1254 - Regular size corded in poly bag

HE 3M 312-1255 - Large size uncorded in poly bag

- Soft foam & red indicator line delivers protection & comfort
- Large size option for larger ear canals
- Available in corded & uncorded formats
- SLC80 24dB (Class 4)



EAR Earsoft Yellow Neon Reg

HE 3M 312-1250 - Regular size uncorded in poly bag

HE 3M 312-1251 - Large size uncorded in poly bag

HE 3M 311-1251 - Large size corded in poly bag

- The soft foam ensures a comfortable low pressure seal
- Large size option for larger ear canals
- The bullet design of the earplug provides high protection levels
- Available in corded & uncorded formats
- SLC80 23dB (Class 4).

Hearing - Protection Earplugs - Disposable



Laser Lite® Earplug

HE HL LL-1 - Uncorded, Individual Poly Bag

HE HL LL-30 - Polycord, Individual Poly Bag

HE HL LL-1-D - Uncorded LS500-A Dispenser Refill

HE HL LL-LS4 - Uncorded LS-400A Dispenser Refill

Vibrant colours make the Laser Lite a highly visible earplug and allows at-a-glance determination of worker compliance.

- Self adjusting foam expands to fit virtually every wearer
- Contoured T-shape for easy handling and wear
- SLC80 25dB Class 4



Max Lite® Earplug

HE HL LPF-1 - Uncorded, Individual Poly Bag

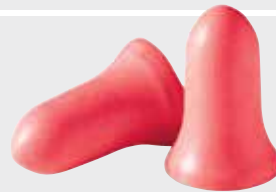
HE HL LPF-30 - Polycord, Individual Poly Bag

HE HL LPF-1-D - Uncorded LS-500A Dispenser Refill

HE HL LPF-LS4 - Uncorded LS-400A Dispenser Refill

Max Lite provides comfort for smaller profile workers in a low pressure foam earplug.

- Ideal size for female workers
- Contoured T-shape for easy handling and wear
- SLC80 25dB Class 4



Max® Earplug

HE HL MAX-1 - Uncorded, Individual Poly bag

HE HL MAX-30 - Polycord, Individual Polybag

HE HL MAX-1-D - UnCorded, LS-500A Dispenser Refill

HE HL MAX-LS4 - Uncorded LS-400A dispenser refill

Max bell shape single-use earplug offers maximum in-ear comfort.

- The world's most used polyurethane earplug.
- Bell shape delivers maximum comfort.
- Improved design easier to insert, reduces tendency to back out of the ear.
- Smooth, soil-resistant skin prevents dirt build-up.
- SLC80 26dB Class 5



EAR Classic Earplug

HE 3M 312-1201 - Uncorded in poly bag

HE 3M 311-1101 - Corded in poly bag (SLC80 21dB Class 3)

- The original PVC plug that still stands up to the competition
- SLC80 23dB (Class 4)



EAR Classic Platinum Earplug

HE 3M 310-4003 - Uncorded in poly bag

- The benefits of the Classic earplug in a smaller size
- Reduced diameter provides protection for smaller ear canals
- SLC80 23dB (Class 4)



Norton Decidamp 2 Earplugs

HP NOR 280005 - Uncorded in cellophane bag. Class 4

HP NOR 282505 - Uncorded in paper bag. Class 4

HP NOR 280006 - Corded in cellophane bag. Class 4

HP NOR 280035 - Corded in paper bag. Class 4

DeciDamp-2 PVC foam earplugs are made of a firm PVC foam that is easier to roll and insert than softer ear plugs.

- SLC80 of 22 (Class 4)



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Hearing - Protection Earplugs - Disposable



Moldex 6620 GOIN' GREEN EARPLUG

HE MX 6620A - 200 pr/bx

- 100% PVC-Free.
- Extra-soft, low-pressure foam for comfort and fit.
- Tapered shape for easy insertion and removal.
- Bright green swirled colors make for winning compliance to your hearing protection program.
- Non-irritating smooth surface.
- Highest independently tested SLC(80) 29dB, Class 5.



Moldex 6800 Uncorded Pura-Fit Earplug

HE MX 6800 - 200 pr/bx

- 100% PVC-Free.
- Tapered for easier insertion.
- Improved, softer foam for maximum comfort.
- Hygienically packaged in biodegradable paper pouches.
- Non-irritating, smooth surface.
- Longer length for easy fitting and removal.

Highest independently tested SLC (80) 27dB, Class 5, AS/NZS 1270:2002.



Moldex 6614 Spark Plug

HE MX 6614 - Uncorded 200 pr/bx

HE MX 6664 - Corded 100pr/bx

- 100% PVC-Free.
- Extra-soft, low-pressure foam for comfort and fit.
- Tapered shape for easy insertion and removal.
- Shaped to fit even very small ear canals.
- Non-irritating smooth surface.
- The random colour patterns are a registered trademark of Moldex-Metric, Inc.
- Highest independently tested SLC(80) 29dB, Class 5.



Moldex Pura-Fit Plug Station

HE MX 6845A - 500 pr/bx

HE MX 6805A - 250 pr/bx

- 100% PVC-Free.
- High visibility to increase awareness for your hearing conservation program.
- Clicking mechanism for easy use and dispensing.
- Each dispenser is sealed and disposable plus completely recyclable



Moldex Spark Plug PlugStation

HE MX 6645A - 500 pr/bx

HE MX 6605A - 250 pr/bx

- 100% PVC-Free.
- High visibility to increase awareness for your hearing conservation program.
- Clicking mechanism for easy use and dispensing.
- Each dispenser is sealed and disposable plus completely recyclable.



Moldex 6566 Jazz Band Hearing Protector

HE MX 6566 - 10 pr/bx

- 100% PVC-Free.
- New, band pressure is reduced by 50%.
- Extra soft tapered foam pods gently conform to the ear canal.
- Hangs easily down around the user's neck with optional breakaway neck cord.
- A cooler and lighter alternative to earmuffs.
- Jazz Band does not interfere with eyewear.
- Includes an extra pair of pods.
- SLC (80) 18db, Class 3 Rating.

Hearing - Protection

Earplugs - Disposable



EAR Classic Platinum One touch refill

HE 3M 391-1007

- Patented dispenser funnel ensures no-waste earplug usage
- One gentle turn delivers earplugs correctly & consistently
- Each refill bottle holds up to 500 pairs of earplugs



Uvex Xfit ear plug dispenser

HE UV AC-PD

- wall mountable dispenser
- capacity 400 pairs of ear plugs
- "single click" ear plug release
- collection tray catches ear plugs
- the dispenser can be filled with x-fit uncorded or com4-fit uncorded ear plugs



Leight™ Source 400 Pair Earplug Dispenser

HE HL LS-400 - 400 Pair Earplug Dispenser

- LS-400A Leight Source Dispenser, a new versatile earplug dispenser.
- Mounts to wall or stands as table top dispenser with balanced footing
- Will suit: Max, X-treme, Max Lite, Laser Lite, MultiMax, 300 series and Matrix



Leight™ Source 500 Pair Earplug Dispenser

HE HL LS-500 - 500 Pair Earplug Dispenser

- S-500A Leight Source Dispenser, permanent hearing protection source.
- Heavy duty anodised aluminium construction
- Mount on wall for easy access
- Will suit: Matrix, Max, Max Lite and Laser Lite in bulk refills



EAR Swerve Banded

HE 3M 322-2000 - Swerve with comfort pods Class 4

HE 3M 322-2001 - Replacement comfort pods Class 4

HE 3M 322-1001 - Replacement Flex 28 replacement tips Class 3

- Adjustable ergonomic design minimises collar interference
- Lightweight & durable plastic flexes for constant on & off wearings

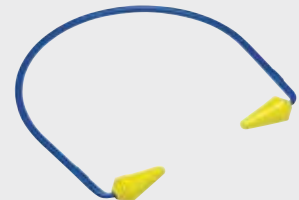


QB2HYG® Banded Earplugs

HE HL QB2HYG - Banded Supra-Aural Resealable Bag

HE HL QB200HYG - Replacement Foam QB2 Individual Polybag

- Patented band design prevents ear pads from touching contaminated surfaces
- Soft pads rest partially in the ear for a balance of protection and comfort
- SLC80 21dB Class 3



EAR Cabolfex Headband Earplugs

HE 3M 320-2001

- Comfortable cone-shaped pods swivel for maximum comfort
- SLC80 11dB (Class 1).



Industrial Protective Products (WA)
Supporting Better Products



Hearing - Protection

Earplugs - Re-useable



EAR Ultrafit W/Cord

HE 3M 340-4001 - Uncorded in hard case

HE 3M 340-4002 - Corded in hard case

HE 3M 340-4004 - Corded in polybag

- Reusable triple flange design ensures high protection levels
- Product available in either polybags or cases for safe storage
- Available in corded & uncorded formats
- SLC80 18dB (Class 3)

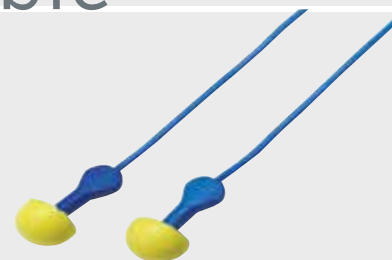


EAR Pushins W/Grip Ring W/Crd

HE 3M 318-1008 - Yellow uncorded in poly bag

HE 3M 318-1009 - Yellow corded in poly bag

- Grip rings ensure that the earplugs hold their position all day
- Unique cone shape inserts easily into the ear canal with comfort
- SLC80 26dB (Class 5)



EAR Express Pod Plug Corded

HE 3M 321-3200 - Uncorded in pillow pack

HE 3M 321-2115 - Corded in pillow pack

HE 3M 321-1127 - Corded metal detectable in pillow pack

- Patented foam softens with usage to improve seal & comfort
- SLC80 19dB (Class 3)



EAR Push-Ins Corded In Poly-bag

HE 3M 318-1003 - Yellow corded in polybag

HE 3M 318-1003 - Yellow corded metal detectable in poly bag

- No roll down provides a quick & easy way to use earplugs
- Hygiene benefits with use of insertion stem
- Heat activated foam moulds to ear canal
- SLC80 23dB (Class 4)



Moldex 6405 Reusable Earplug Rockets Corded

HE MX 6405A - 100 pr/bx

• 100% PVC-Free.

- Easy grip handle lets ear plugs easily slip into ear.
- Air bubble in tip provides cushioned comfort.
- Ear plugs can be washed and reused.
- Pocket-Pak® carrying case provides hygienic storage of plugs between uses.
- SLC (80) 24dB, Class 4



Peltor NEXT SKULL/SCREW EAR PLUG

HE 3M P1300 - Uncorded

HE 3M P1301 - Corded

- Metallic look appeals to young workers & drives compliance
- Screw grip & twist to seal design ensures maximum protection
- No roll down design for easy fit and hygienically clean
- SLC80 26dB (Class 5)



Uvex Xact-fit

HE UV XA-CD - Xact-fit plugs on cord

HE UV XA-RP - lime replacement foam pods for HE XA-CD

- ergonomic thumb indentations for easy handling and correct insertion
- PVC and glue free
- Hygienic - not necessary to roll and touch earplug before insertion
- extremely comfortable due to its unique design
- designed to reduce pressure in the ear canal
- SLC80: 22dB, Class 4

Hearing - Protection Earplugs - Re-useable



GLIDE

find your fit™



Moldex Glide Trio Re-useable

HE MX 6445

- ergonomic thumb indentations for easy handling and correct insertion

Like a fingerprint, no two ear canals are alike. GLIDE's unique multi-curved stem rotates for a custom fit inside each ear canal. With its unique curved stem design, you simply push & twist for GLIDE to angle its way to find your fit.

Soft triple flange plug can be washed and reused

- PVC and glue free
- Hygienic - not necessary to roll and touch earplug before insertion
- extremely comfortable due to its unique design
- designed to reduce pressure in the ear canal
- SLC80: 27dB, Class 5



Moldex Glide Trio Foam

HE MX 6940

- ergonomic thumb indentations for easy handling and correct insertion

Large soft foam pod, for a comfortable, snug seal & fit

Unique multi-curved stem rotates for a custom fit

- PVC and glue free
- Hygienic - not necessary to roll and touch earplug before insertion
- extremely comfortable due to its unique design
- designed to reduce pressure in the ear canal
- SLC80: 25dB, Class 4

Order Information



Call 08 9330 6355



Industrial Protective Products (WA)
Supporting Better Products



Hearing - Protection



Smart High Noise Communication Solutions

Sensear provides high noise communication and hearing protection solutions to some of the world's leading industrial companies.

Sensear's groundbreaking SENS technology isolate and enhance speech and suppress background noise so users hear speech and stay protected even in high noise environments. By bringing a low noise hearing experience into a high noise environment, users are able to communicate effectively, remain aware of their surrounding while protecting their hearing. SENS delivers these three critical benefits in the one technology.

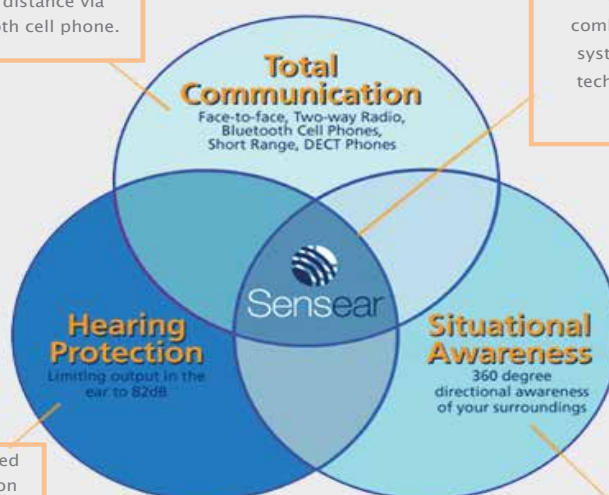
Sensear's devices feature face-to-face, two-way radio, cell phone via Bluetooth and short range communication functionality all from one device.

Sensear's industry-changing SENS™ (Speech Enhancement, Noise Suppression) technology simultaneously isolates and elevates speech while suppressing background noise so workers can hear speech, stay protected and remain aware of their surroundings in high noise environments.

Communication, Awareness, and Protection All From One Device

Sensear delivers a total high-noise communication solution by ensuring users can communicate face-to-face, at short distances and long distance via two-way radio and Bluetooth cell phone.

Sensear is driving a new approach to Occupational Hearing Conservation by combining the most innovative communication systems with the very best hearing protection technologies to ensure users can hear speech and stay protected in the workplace.



All Sensear devices have passed the required hearing protection with communication industry certifications to ensure effective hearing protection for users. Sensear ensures certified maximum output "in the ear" of 82dB in noise up to 105dB.

Sensear delivers 360 degrees binaural situational awareness to ensure users have complete awareness of what is happening around them.

Hearing - Protection



Sensear Features

- Enhances speech and suppressed background noise
- Facilitates face-to-face communication up to 95 dB
- Two-way Radio and cell phone communication up to 105 dB (SM/SP) / 120dB (SDP)
- Durable and lightweight design. Simple adjustments
- Protects against impact, intermittent and continuous noise
- 360° awareness with speech and noise direction recognition
- Connects to existing two-way radio system
- Maximum noise exposure of 82 dB
- Built-in rechargeable battery delivers 12+ hours talk time

SENS™ TECHNOLOGY – THE NEW STANDARD



SPEECH ENHANCEMENT	NOISE SUPPRESSION	SITUATIONAL AWARENESS	SENS™ TECHNOLOGY
<ul style="list-style-type: none">• Isolates and enhances speech• Real-time speech separation• Face-to-face, Two-way Radio, Bluetooth Cell Phone	<ul style="list-style-type: none">• Suppresses dangerous background noise to a safe level (82dB)• Enables speech to be heard above background noise• Works in impact, intermittent and continuous noise environments	<ul style="list-style-type: none">• Enables 360-degree situational awareness• Retains original sound characteristics• Reduces risk of accidents	<ul style="list-style-type: none">• Total Communication• Situational Awareness• Hearing Protection• Hear speech and stay protected in high noise environments



Hearing - Protection Communication - Devices

SENSEAR RANGE OF DIGITAL HIGH NOISE COMMUNICATION HEADSETS

Sensear's range of digital communication headsets are used for communication in high noise industrial environments.

DIGITAL HEARING PROTECTION

Sensear's Digital Hearing Protection range that Enhances Speech and Enables Situational Awareness

DIGITAL TWO WAY RADIO HEADSET RANGE

Sensear's two way radio headset range connect to the majority of the analog and digital radios and enable clear two way communication in noisy work environments.

NOISE CANCELLING BLUETOOTH SHORT RANGE HEADSET RANGE

Sensear's noise cancelling Bluetooth & FM Short Range Frequency Headset to Headset Communication connects to most Bluetooth enabled devices including smart phones, Bluetooth two way radios and tablets. And offers the freedom of Short Range FM Frequency Headset to Headset comms with no requirement of Two way. The SP3 SR smartplug offers all features of the Smartmuffrange but also offers an ear pick up for communication where respiratory protection is used over two way, bluetooth devices and through FM frequency headset to headset communication

INTRINSICALLY SAFE HEADSET RANGE

Sensear intrinsically safe headset enable high noise two way radio, bluetooth and headset to headset communication in explosive environments that require CSA, ATEX IECEx and UL certification.

DOUBLE HEARING PROTECTION HEADSET

Sensear's double hearing protection headset range delivers communication in 120dB noise levels.

INTRINSICALLY SAFE DOUBLE HEARING PROTECTION HEADSET RANGE

Sensear double hearing along with intrinsically safe headsets enables high noise two way radio, bluetooth and headset to headset communication in 120dB environment and in explosive environments that require CSA, ATEX IECEx and UL certification.

PLANT TOUR /INDUCTIONS/ TEACHER STUDENT HEADSET

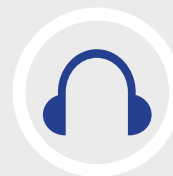
Sensear's work group headset delivers communication for factory / plant tours, teacher student work groups, group induction training and training. Plant tour and training headsets that enable communication and protect hearing.

Sensear's industry-changing SENS™ technology simultaneously combines speech enhancement with noise suppression to deliver a total high noise communications and protection solution by recognizing the different properties of speech and background noise. SENS™ enables users to remain aware of their surroundings, communicate in noisy environments and protect their hearing from harmful noise.

SENSEAR RANGE OF DIGITAL HIGH NOISE COMMUNICATION HEADSETS



Hearing - Protection Communication - Devices



Digital Hearing Protection Hearing Protection that Enhances Speech and Enables Situational Awareness

Sensear's SM and SP are leading digital hearing protection products that protect hearing, enhance speech and enable situational awareness

Workers can benefit from face-to-face communication capabilities as well as protecting their hearing at the same time. This is achieved through Sensear's industry-leading SENS™ technology that enhances speech and suppresses background noise so users can communicate safely and effectively in noisy environments.

The Sensear SM and SP is the next generation of digital hearing protection. Here are just some of the many benefits that the SM and SP have to offer:

- Limit 'in-ear' noise exposure to 82dB
- Face to Face Communication
- Built-in rechargeable battery delivers 12+ hours talk time (lithium ion)
- Available in ear plug and ear muff style
- SENS™ Technology
 - Enhances speech while suppressing background noise to a safe level
- Remain aware of surrounding noises and hazards
- Up to 28dB SLC80

Primary Communication Options

- Face to Face Communication
- VOX activated Boom Microphone
- Sens Technology / MP3 Interface



SensEar SM Smart Ear Muff

HE SEN SMNB0001 - Headband

- SENS™ Face to Face Communication
- SLC80 28dB Class 5



SensEar SM Smart Ear Muff

HE SEN SMNH0001 - Helmet Mount

- SENS™ Face to Face Communication
- SLC80 28dB Class 5



SensEar SM Smart Ear Muff

HE SEN SMNE0001 - Behind the Neck

- SENS™ Face to Face Communication
- SLC80 28dB Class 5



Industrial Protective Products (WA)
Supporting Better Products



Hearing - Protection Communication - Devices



Two Way Radio Headset Range

Two Way Radio Headset for Industrial Environments

Sensear provides industry-leading two way radio headsets to some of the world's leading industrial companies. Users can have a clear two way radio communication even in 110dB noise. The two way radio headset even has built in hearing protection and noise suppression technology so users are still aware of their surroundings.

Sensear is a next generation two way radio headset. Here are just some of the many features and benefits that Sensear's two way radio headset products have to offer:

- Clear two way radio communication up to 110dB noise levels
- Limit 'in-ear' noise exposure to 82dB
- Connects to all industry leading two way radios (wired or Bluetooth)
- Built-in rechargeable battery delivers 12+ hours talk time (lithium ion)
- Available in ear plug and ear muff style
- SENS™ Technology
 - Enhances speech while suppressing background noise to a safe level
- Remain aware of surrounding noises and hazards

Primary Communication Options

- Face to Face Communication
- In Ear Pick Up Microphone in SP2
- Two Way Radio Interface
- MP3 Interface
- Noise Cancelling (VOX or PTT) Boom Microphone



SensEar SM1 Smart Ear Muff

HE SEN SM1NB001 - Headband

- Face to Face Communication
- Two Way Radio / MP3 Interface
- Noise Cancelling (VOX or PTT) Boom Microphone
- SLC80 28dB Class 5



SensEar SM1 Smart Ear Muff

HE SEN SM1NH001 - Helmet Mount

- Face to Face Communication
- Two Way Radio / MP3 Interface
- Noise Cancelling (VOX or PTT) Boom Microphone
- SLC80 28dB Class 5



SensEar SM1 Smart Ear Muff

HE SEN SM1NE001 - Behind the Neck

- Face to Face Communication
- Two Way Radio / MP3 Interface
- Noise Cancelling (VOX or PTT) Boom Microphone
- SLC80 28dB Class 5

Hearing - Protection Communication - Devices



SENSEAR - A NEW APPROACH TO HEARING PROTECTION AND HIGH NOISE COMMUNICATION

IN HIGH NOISE, YOU NEED MORE THAN JUST NOISE CANCELLATION YOU NEED SENS™

In the past, Noise Cancelling headsets have set the standard for suppressing unwanted ambient noise using a technology called Active Noise Control. Most people associate Noise Cancelling headsets with those used by consumers on airplanes or other noisy environments to reduce the ambient noise so they can listen to music or sleep quietly.

Active Noise Control technology has been adopted by a number of hearing protection products BUT there is an inherent flaw in its application in high noise environments where hearing protection is required. ANC may reduce noise but it reduces the users ability to hear speech and remain aware of your surroundings.

Sensear's revolutionary SENS™ (Speech Enhancement, Noise Suppression) Technology takes noise cancellation to a whole new level. By isolating and enhancing speech while reducing harmful background noise, users can hear speech and stay protected whilst remaining aware of their surrounding in high noise environments.

SENS™ Technology brings low noise hearing experiences into high noise environments by enabling users to communicate effectively, remain aware of their surrounding while protecting their hearing. SENS delivers three critical benefits in the one technology.

It's simple; if you are looking for the best high noise communication devices don't ask for Noise Cancelling, ask for SENS™.

Clear, safe communication in high noise environments

Sensear is driving a new approach to high noise communication and hearing protection by combining the most innovative communication systems with the very best hearing protection technologies to ensure users can hear speech and stay protected in high noise environments.

High Noise Communication Solution

Sensear delivers a total high noise communication solution by ensuring users can communicate face-to-face, at short distances and long distance via two way radio and Bluetooth cell phone and other communication systems such as DECT.

Hearing Protection with Communication

All Sensear devices have passed the required hearing protection industry certifications to ensure effective communication with hearing protection. Sensear ensures certified maximum output "in the ear" of 82dB in noise up to 105dB and for the SDP up to 120db.

Situational Awareness

Sensear delivers 360 degrees binaural situational awareness to ensure users have complete awareness of what is happening around them.

SENS™ TECHNOLOGY - THE NEW STANDARD

Digital Communication Headsets

It's What Sets Us Apart

High-noise communication devices are embracing digital technologies. From ruggedized digital smart phones to digital two-way radios, the industrial communication arena is adopting digital communication technologies because of their flexibility, quality of performance and their ability to enable new functionality with ease. Sensear's digital communication headsets are at the forefront of digital technology; we were the first industrial headset company to embrace smart digital signal processing as our core technology backbone.

The result is enhanced performance, greater flexibility, better speech separation capability and the availability of connecting to a wide range of digital and analog communication devices.

CONNECT TO MOST COMMUNICATION DEVICES, DIGITAL OR ANALOG

Digital and Analog Two-way radios (inc. intrinsically safe)

Digital Smart Phones and Ruggedized Phones (inc. intrinsically safe)

Digital Smart Tablets Ruggedized Tablets (inc. intrinsically safe)

VOIP Phones

Wireless Bluetooth Enabled Devices

Wired Devices

EMBEDDED DIGITAL FLEXIBILITY WITHIN THE COMMUNICATION HEADSET

Enables software upgrades for latest performance

Customize settings for unique customer requirements

Functionality adjustments based on customer requests

Digital platform for layered software enhancements

Ease of firmware/software changes for device compatibility

SUPERIOR CLARITY OF COMMUNICATION AND SPEECH ENHANCEMENT

Enhances pure digital sound quality

Award winning speech separation technology

Situational Awareness is maintained despite speech enhancement

Allows speech in extreme noise environments

Headsets adapt on the fly to different noise environments

Performance is maintained across all devices

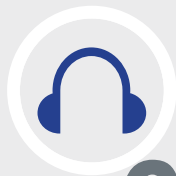
Order Information



Call 08 9330 6355



Industrial Protective Products (WA)
Supporting Better Products



Hearing - Protection Communication - Devices



New Smartplug Bluetooth unit to unit Communication with In-Ear Pick

Speech Enhancing, Noise Suppressing (SENS™) In-Ear-Headset for

Industrial Environments

The smartPlug is a digital hearing protection in-ear-headset solution for use in some of the worlds largest industries, where high noise and extreme environments are part of the everyday challenges to communications and hearing protection. The smartPlug features an in-ear microphone allowing users to clearly pick up speech and transmit through existing communication systems by cable or Bluetooth connections as well as existing respiratory protection.

The smartPlug also comes equipped with Sensear's industry-leading SENS™ technology that enhances speech and suppresses noise so users can communicate safely and effectively while maintaining 360-degree situational awareness.

- Disposable foam or silicone ear tip options for user comfort
- 82 dB(A) limited in-ear and in-Ear voice pick up
- Rechargeable battery with 15 hours battery life lowering the total cost of ownership compared to AA batteries
- Compatible for Bluetooth® and Short Range (SR) team communication
- Rugged design with belt clip for ease of wear essential for high noise industrial environments where equipment is subjected to rough handling
- Dual inline PTT allowing for easy triggering of communication functions
- USB for programming allows simple configuration of the headset by a dealer
- Ideal for use with respirators and breathing protection devices



Primary Communication Options

- Face to Face Communication
- In Ear Pick Up Microphone
- Two Way Radio Interface/ MP3 Interface
- Bluetooth Phone Connectivity
- Short Range FM Radio (Built In)



Sensear® Accessories -Replacement Plugs

HE SEN SFT00100 - Smart Plug FOAM
REPLACEMENT Tips

HE SEN SST00100 - Smart Plug Silicone
Replacement Tips



Sensear Smartplug Series 3

HE SEN SP003 - Sensear New
Smartplug

HE SEN SP003X - Sensear New Short
Range Communicator Smartplug

- Face to Face Communication
 - In Ear Communication Pick Up
 - Two Way Radio / MP3 Interface
 - Bluetooth Phone Connectivity
 - Short Range (SR) Headset to headset communication team communication
- Ideal for use with respirators protection

Hearing - Protection Communication - Devices



Work Group Communication Headsets

Headset to Headset Communication

Communicate headset to headset without the need for a two way radio

Sensear's work group headsets enable clear headset to headset communication in noisy industrial environments through a built in short range radio.

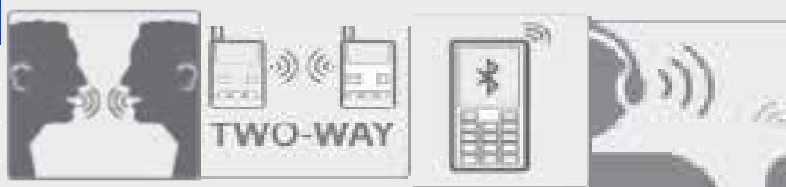
Users of the SM1xSR benefit from its wireless communication capabilities at short range while at the same time integrating with existing two way radio systems so workers are also part of the wider network.

Sensear is a next generation headset to headset communication solution. Here are just some of the many features and benefits that Sensear's communication headset products have to offer:

- Headset to Headset PTT communication (approx. 50m / 150ft range)
- Connect to two way radios via Bluetooth or via cable
- Connect to mobile devices (tablets / smart phones) via Bluetooth®
- Talk 'face to face'
- Built in rechargeable battery (lithium ion)
- SENS™ Technology
- Enhances speech while suppressing background noise to a safe level
- Remain aware of surrounding noises and hazards
- Limit 'in-ear' noise exposure to 82dB
- Rugged and lightweight design

Primary Communication Options

- Face to Face Communication
- Two Way Radio Interface/ MP3 Interface
- Bluetooth Phone Connectivity
- Short Range FM Radio (Built In)
- Noise Cancelling (VOX or PTT) Boom Microphone



SensEar SM1XSR Smart Ear Muff

HE SEN SM1XSRU1 - Headband

HE SEN SM1XESRU - Behind the Neck

HE SEN SM1XHSTRU - Helmet Mount

- Face to Face Communication
- Two Way Radio / MP3 Interface
- Bluetooth Phone Connectivity
- Short Range FM Radio (Built In) Headset to Headset Communication
- Noise Cancelling (VOX or PTT) Boom Microphone
- SLC80 28dB Class 5





Hearing - Protection Communication - Devices



ELIMINATE NOISE INDUCED HEARING LOSS

Finding answers to the world's biggest occupational risk - Noise Induced Hearing Loss (NIHL)

Noise Induced Hearing Loss (NIHL) is the world's most common and costly occupational illness and according to the World Health Organization (WHO) its incidence is on the increase. It is in-curable, and most importantly, preventable. NIHL is the name given to varying levels of hearing loss suffered as a result of noise exposure. While most commonly caused by industrial noise, the noise induced hearing loss illness can result from excessive noise from any source including amplified sounds in pubs, nightclubs, concerts and major events. In 2006, legislation was passed in the EU to make hearing protection mandatory for any worker exposed to 85dB (A) or above, not just industrial workers.

Sensear's technology has the ability to eliminate NIHL and is the only technology effective in enabling speech communication to be clearly audible above 85 dB(A). Sensear's noise induced hearing loss product range can prevent new cases of NIHL by enabling face-to-face, cell phone and two-way radio communication in high noise without the wearer having to remove hearing protection. Currently, traditional forms of hearing protection do not allow for effective communication.

Health hazards arising from noise may cause NIHL or noise induced hearing loss and is usually associated with noise sources in manufacturing, transportation, military, aviation and recreation. However, any noise loud enough to interfere with conversation has the potential to cause hearing loss. There are three general classes of noise hazard: Impact noise (such as gunshot or explosion); Continuous noise (machinery running constantly); and Intermittent noise (such as a passing heavy vehicle). Traditional hearing protection products serve particular classes of noise and often a number of hearing protectors have been needed for different noise hazards. One of the most significant benefits of Sensear's SENS® technology (Speech Enhancing Noise Suppression) is its universal effectiveness across all three classes of noise hazard. Sensear's products provide a single solution for a wide range of high noise situations.

HEARING PROTECTION CAUSES ACCIDENTS

Sensear Reduces Accidents with Smarter Solutions

Traditional passive hearing protection may deliver an effective ear protection solution, but if it doesn't allow workers to hear what's going on around them, it can represent a serious safety risk and could cause accidents. Many accidents have been caused by workers not being aware of their surroundings, especially in high noise industries such as Mining, Oil and Gas, Railway, Heavy Equipment and other dynamic high noise environments.

Sensear's SENS™ technology can deliver a more effective hearing protection solution and more importantly, protect workers from accidents and fatalities by allowing them to hear what is going on around them. Workers who have full situational awareness can understand their risk levels and take the appropriate actions to avoid fatalities.

Corporations no longer need to accept the compromise between effective hearing protection and diminished employee safety. They can now offer their employees a hearing protection solution that enhances their safety.



Sensear Vehicle Charger

HE SEN SMPW0002

-Vehicle Charger, For Use With SM, SM1, SM1x, SM1xSR, SM1xSR(IS), SDP, SP, SP2, SP2x



Sensear Boom Micro- phone

HE SEN SMBM0001 - Boom Microphone upgrade kit

Throat Microphone available on request



Sensear Accessories

HE SEN SMBB0000-

Replacement Head Band, For Use With SM, SM1, SM1x, SM1xSR, SM1xSR(IS), SDP - HB Version Only

HE SEN SMMK0001

- Helmet Mount Replacement, For Use With SM, SM1, SM1x, SM1xSR, SM1xSR(IS), SDP - HM Version Only

HE SEN SMBE0000-

Replacement Neck Band, For Use With Smart Muff



Sensear Accessories

HE SEN SM1-HY - Hygiene Kit (replacement cushions and Pads)

Hearing - Protection Communication - Devices



Double Hearing Protection Headset

Double Hearing Protection for Communication in Industrial Environments

Sensear has integrated communication capabilities into a double hearing protection headset so users can effectively communicate without removing their hearing protection, even in extreme noise industrial environments.

Users of the SDP will benefit from its numerous communication capabilities and safety features such as existing two way radio integration, in-ear volume limiting, and retained situational awareness.

Sensear is a next generation double hearing protection headset. Here are just some of the many features and benefits that Sensear's double hearing protection headsets have to offer:

- Headset to Headset PTT communication (approx. 50m range)
- Connect to two way radios via Bluetooth® or cable
- Connect to mobile devices (tablets / smart phones) via Bluetooth®
- Talk 'face to face'
- Built in rechargeable battery (lithium ion)
- SENS™ Technology
- Enhances speech while suppressing background noise to a safe level
- Remain aware of surrounding noises and hazards
- Limit 'in-ear' noise exposure to 82dB
- Up to 34dB SLc80 (noise rating)

Primary Communication Options

- Double Protection
- Face to Face Communication
- Two Way Radio Interface/ MP3 Interface
- Bluetooth Phone Connectivity
- Short Range (Built In) Headset to Headset Communication
- Noise Cancelling (VOX or PTT) Boom Microphone

SensEar SDP Dual Protection Smart Ear Muff

HE SEN SMSDPSR1 - Headband

HE SEN SMESDPSR - Behind the Neck

HE SEN SMHSDPSR - Helmet Mount

- Double Protection
- Face to Face Communication
- Two Way Radio / MP3 Interface
- Bluetooth Phone Connectivity
- Short Range FM Radio (Built In) Headset to Headset Communication
- Noise Cancelling (VOX or PTT) Boom Microphone
- SLC80 34dB Class 5





Hearing - Protection Communication - Devices

Sensear SM1X1SSR Intrinsically Safe Smart Ear Muff

Sensear in the Oil and Gas and Petrochem Industry

Sensear is solving high noise communication problems for many of the world's leading Oil and Gas and Petrochem companies.

With ATEX, IECEx and CSA intrinsically safe certifications for its SM1xSR (IS) Smart Ear Muff product, Sensear has an industry leading high noise communication headset solution for the Oil and Gas and Petrochem industries.

With Sensear, workers can now effectively communicate face-to-face, via IS Two-way Radios and Bluetooth Cell Phones while protecting their hearing and retaining situational awareness. This ensures workers are more productive and safer from accidents, even in potentially dangerous and hazardous environments.

Sensear's Smart Ear Muff is powered by its groundbreaking SENS high noise communication technology which elevates speech and suppressed dangerous background noise so workers can hear speech and stay protected in high noise environments.

Sensear is solving high noise communication problems for many of the world's leading Oil and Gas and Petrochem companies including the following:

Communicate Safely via Two Way Radio and Bluetooth in Explosive Environments

Sensear intrinsically safe headset enable high noise two way radio, bluetooth and headset to headset communication in explosive environments that require CSA, ATEX IECEx and UL certification.

Users of the SM1xSR(IS) headset benefit from clear communication using its wired or wireless capabilities while still protecting their hearing and remaining aware of the surrounding work environment.

The SM1xSR(IS) is a next generation intrinsically safe headset. Here are just some of the many features and benefits that Sensear's IS products have to offer:

- Connect to intrinsically safe two way radios via Bluetooth or via cable

- Connect to intrinsically safe mobile devices

- (tablets / smart phones) via Bluetooth®

- CSA, ATEX, IECEx and UL approved (Class I, Division I)

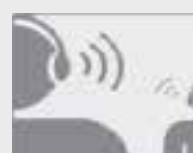
- Headset to Headset communication (approx. 50m range)

- Talk 'face to face'

- SENS™ Technology

- Enhances speech while suppressing background noise to a safe level

- Remain aware of surrounding noises and hazards



Primary Communication Options

- Face to Face Communication
- Two Way Radio Interface/ MP3 Interface
- Bluetooth Phone Connectivity
- Short Range FM Radio (Built In)
- Noise Cancelling (VOX or PTT) Boom Microphone
- Intrinsically Safe model

Sensear SM1X1S Intrinsically Safe Smart Ear Muff

HE SEN SMISBSR1 - Over the Head

HE SEN SMISESR1 - Behind the Neck

HE SEN SMISHSR1 - Helmet Mount

- Intrinsically Safe (for use in environments requiring ATEX, CSA & UL approved products)

- Face to Face Communication

- Two Way Radio / MP3 Interface

- Bluetooth Phone Connectivity

- Short Range FM Radio (Built In) Headset to Headset Communication

- Noise Cancelling (VOX or PTT) Boom Microphone

- SLC80 28dB Class 5



Hearing - Protection Communication - Devices



SensEar Intrinsically Safe DOUBLE PROTECTION Smart Ear Muff

Communicate Safely via Two Way Radio and Bluetooth in Explosive Environments

SensEar intrinsically safe headset enable high noise two way radio, bluetooth and headset to headset communication in explosive environments that require CSA, ATEX IECEx and UL certification.

Users of the SM1xSR(IS) headset benefit from clear communication using its wired or wireless capabilities while still protecting their hearing and remaining aware of the surrounding work environment.

The SM1xSR(IS) DUO smartmuff is a next generation intrinsically safe headset. Here are just some of the many features and benefits that Sensear's IS products have to offer:

- Connect to intrinsically safe two way radios via Bluetooth or via cable
- Connect to intrinsically safe mobile devices (tablets / smart phones) via Bluetooth®
- CSA, ATEX, IECEx and UL approved (Class I, Division I)
- Headset to Headset communication (approx. 50m range)
- Talk 'face to face'
- SENS™ Technology
- DOuble Protection work in extreme noise enviroments of 125dB(A) plus



Primary Communication Options

- Double Protection
- Face to Face Communication
- Two Way Radio Interface/ MP3 Interface
- Bluetooth Phone Connectivity
- Short Range (Built In) Headset to Headset Communication
- Noise Cancelling (VOX or PTT) Boom Microphone



SensEar SDPIS Intrinsically Safe Smart Ear Muff

HE SEN SMISBSR1 - Over the Head

HE SEN SMISESR1 - Behind the Neck

HE SEN SMISHSR1 - Helmet Mount

- Intrinsically Safe (for use in environments requiring ATEX, CSA & UL approved products)
- Face to Face Communication
- Two Way Radio / MP3 Interface
- Bluetooth Phone Connectivity
- Short Range FM Radio (Built In) Headset to Headset Communication
- Noise Cancelling (VOX or PTT) Boom Microphone
- SLC80 28dB Class 5



Order Information



Call 08 93306355



Industrial Protective Products (WA)
Supporting Better Products



Hearing - Protection Communication - Devices



Sensear Smart Group Headsets

Sensear Instruction Headsets

Sensear is solving high noise communication problems for many of the world's leading Oil and Gas and Petrochem companies. Sensear's smart group products are an industry leading solution for companies who carry out facility, factory and plant tours and training in noisy environments.

The tour guide and participants will benefit from the face-to-face and short range (headset to headset) communication capabilities as well as protecting their hearing at the same time. This achieved through Sensear's industry-leading SENS™ technology that enhances speech and suppresses background noise so users can communicate safely and effectively in noisy environments.

The Sensear Smart Group is the next generation of plant tour headsets. Here are just some of the many benefits that the Smart Group has to offer:

- Remain aware of surrounding noises and hazards



Sensear Smart Group Training Set

HE SEN SMSGS001 - 5 STUDENT OVER HEAD

HE SEN SMSGSH01 - 5 STUDENT CAP ATTACHABLE

HE SEN SMSGSE01 - 5 STUDENT BEHIND NECK

HE SEN SMSGL001 - 10 STUDENT OVER HEAD

HE SEN SMSGLH001 - 10 STUDENT CAP ATTACHABLE

HE SEN SMSGLE001 - 10 STUDENT BEHIND THE NECK

- Talk to one another face to face in noisy environment (up to 95dB)
- Two-way radio and cell phone communication (up to 105dB)
- Short Range (Built In) Headset to Headset Communication (up to 105dB)
- Remain aware of surrounding noises and hazards
- Protects against all types of noise
- Rechargeable battery (lithium ion)
- Durable and lightweight design
- Connects to existing two-way radio system
- Maximum noise exposure of 82dB



Hearing - Protection Communication - Devices



Heavy Vehicle Communication System (HVCS)

Sensear Instruction Headsets

Operating heavy vehicles at any industrial site is challenging and extremely noisy. On a daily basis, your heavy vehicle operators contend with noise from many different sources: the vehicles themselves, the job site, two-way radio communications, audio entertainment from a stereo system.

In some cases the combination of these factors can bring a worker's noise exposures into the 90-95dBA range. Once worker's noise exposure reaches this range Occupational Health and Safety guidelines require action.

Sensear's Heavy Vehicle Communication System (HVCS) is a robust router of communication and audio systems for installation inside heavy vehicles. The HVCS solution routes existing two-way radios and stereo systems from the cabin speakers and wirelessly transmits to Sensear headsets worn by the operator; thus protecting them from high noise caused by the vehicle and the audio systems.

FEATURES AND BENEFITS:

- Limits the in-ear noise exposure to 82 dB(A)
- Allows for clear transmission of communication and stereo audio to the operator and still maintain the signals from the associated equipment inside the cab to a wireless headset
- Significantly reduces the operator's noise exposure and protecting his/her hearing, in most cases dropping the exposure by 10 dB
- Allows the original speakers to be re-enabled through a switch (up to 4 + 2-way speaker)
- Allows the operator to charge the headset while using the vehicle
- Compatible with Sensear Smart Muff and smartPlug wireless headsets
- Includes a dust proof enclosure and switches suitable for installation in heavy vehicles



How the Heavy Vehicle Communication System (HVCS) works

- Transmits audio from the stereo to the headset.
- Transmits audio from the two-way radio to the headset.
- Allows the original speakers to be re-enabled through a switch (up to 4 + 2-way speaker).
- Allows the operator to charge the headset while using the vehicle.
- Compatible with Sensear Smart Headset and smartPlug wireless headsets.
- Operates from the in-vehicle power.
- Includes a dust proof enclosure and switches suitable for installation in heavy vehicles.
- Is suitable for installation by mine site auto electricians, and is easily replaced if required.
- Includes optimized software in the headsets to ensure ease of operator use.



SUPPLIED COMPONENTS

- HVCS Transmitter box
- Cable looms for vehicle power, stereo speakers, two-way radio speakers and Sensear headset recharging jack
- Installation guide & System description
- Installation test plan



Industrial Protective Products (WA)
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Hearing - Protection

Sensear - Accessories



Sensear® Accessories - Two Way Radio Cables

Sensear ITwo Way Radio Interface d Cables connect directly to existing Radio and its Network. There is a guide of asll capatable Makles and models please contact IPP(WA) for this list. Below is a list of Brands that cables are available for

HYT / HYTERA	VERTEX
MOTOROLA	SIMICO
RELM / BENDIX KING	SELEX
EF JOHNSON	SEPURA
BEARCOM	NEXUS
TEKK	BLACKBERRY
BLACKBOX	ZEON
ICOM	TAIT
KENWOOD	HARRIS
COBRA	UNIDEN
GME	RITRON
MAXON	



Sensear® Accessories - Optional Headbands

- HE SEN SMBB0000** - Headband
- HE SEN SMMK0001** - Helmet Mount
- HE SEN SMBE0000** - Behind the Neck
- HE SEN SMBE0000** - Behind the Neck
- HE SEN SMBM0002** -Smart Muff Throat Microphone IS

Sensear® Intrinsically Safe Cables for Two Way Manufacture

Sensear Intrinsically Safe Approved Cables are for use with Sensear Smartmuffs. They have individual certification and approvals for use in Explosive enviroments. Below is a list of Two Way radi Manufacturers where a Sensear Cable is available. Please contact IPP(WA) for furtherw information.

MOTOROLA	SIMICO
HYT / HYTERA	VERTEX
RELM / BENDIX KING	SELEX
EF JOHNSON	SEPURA
KENWOOD	HARRIS



Sensear® Accessories - Earmuff Spares

- HE SEN SMHK0000** - Sensear Repacement Hygeine Kits for Smartmuffs
- HE SEN SMBM0001** - Sensear Repacement Boom Microphone Kit
- HE SEN SMAP0000** - Sensear Cool Absorpent pads (packet of 5)
- HE SEN SPSPWPB000** - Cover Pouch for SP2
- HE SEN SP2B001** - Senar Sp2 replaceable Foam Tips available in SSmall Medium and Large

Hearing - Protection

Sensear - Accessories



Sensear® Accessories - Remote Speakers and Push Back Cables

HE SEN SM-SCK000150 - Pushback Cable extension for Aviation Pushback

HE SEN SM-SCK004 - Remote Speaker Microphone

HE SEN SM-SCK 000151- Aviation Pushback with PTT

HE SEN SM-SCK 000152 AVia Wirless Transmitter with Cable & Ptt wirelsss device for connection to Gateway on plane



Sensear® Accessories - Intrinsically Safe PTT Buttons and Spares

HE SEN SMCH1 - Charger unit for Sensear PIkugs or Muffs

HE SEN SMBM0003 - Sensaear Smart Muff Boom Microphone IS

HE SEN SMBM0002 - Smart Muff Throat Microphone IS

HE SEN SMK0000001 - Sensear IS Approved PTT Small

HE SEN SMK0000002 - Sensear IS Approved PTT Medium

HE SEN SMK00000031 - Sensear IS Approved PTT Large



Sensear® Accessories - Chargers

HE SEN SMCH1 - Charger unit for Sensear PIkugs or Muffs

HE SEN SMCH2V - Sensear Vehicle Charger for Car

Order Information



Call 08 9330 6355



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