



### DESCRIPTION

The UniSafe UniLert is easy to use Class 5 hearing protector with active listening and audio input. Equipped with active microphones so you can communicate at close range, stay in tune with “wanted” sound such as warning signals and yet still be protected from noise. Ideally suited to impulse or impact noise.

Active microphones in the UniLert reproduce stereo surrounding sound, filter out noise and amplify speech frequencies.

Easy to use electronic earmuff, level dependent, MP3 and 2-way radio compatible. Allows wearers to listen to “wanted sound” whilst providing protection in noisy environments.

Powered by 2 replaceable AAA disposable batteries (approx 400hrs use). Complete with 2 cables and batteries ready to use. 2 cables allow audio equipment & two-way radios to be interfaced. Class 5 SLC80 29dB(A).

### APPLICATIONS


Suitable for general industrial use where noise levels warrant a medium to high performance hearing protector Class 5. Recommended for use in noise up

to 110dB(A). Suitable industries include; military, heavy fabrication, construction, transport, plant operating and general industry.

# TECHNICAL DATASHEET



## TECHNICAL SPECIFICATIONS

UNILERT	
	
Cup Material	Injection moulded ABS (plastic)
Headband	POM
Bracket Arms	Glass reinforced nylon
Headband Cushion	Foam filled PVC covered
Liner	Foam
Colour	Black
Weight	375 g
Clamping Force	11 N
Batteries	2 x AAA batteries (approx 400hrs use)
Ratings	Class 5 29dB(A)

## ATTENUATION DATA

RBDLD UniLert

CLASS 5	SLC <sub>80</sub> VALUE IS 29.0						
Frequency (HZ)	125	250	500	1000	2000	4000	8000
Mean Attenuation	15.1	18.9	27.2	33.3	36.7	39.7	39.9
Standard Deviation	3.8	3.7	4.0	3.7	3.4	4.3	3.3
Mean Standard Deviation	11.3	15.2	23.2	29.6	33.3	35.4	36.4

Hearing protector class 5 tested to AS/NZS 1270. When selected, used and maintained as specified in AS/NZS 1269, this protector may be used in noise up to 110dB(A) assuming an 85dB(A) criterion. A lower criterion may require a higher protector class.

## WARNING

Performance will be reduced by anything that impairs the seal of the cushions against the head eg. thick spectacle frames, balaclavas, etc.

The reported attenuation (noise reduction) will only be obtained if the earmuffs are in good working order and worn as directed.

# TECHNICAL DATASHEET



## APPROVAL INFORMATION

Certified to AS/NZS 1270:2002

## SLC<sub>80</sub> AND THE CLASS SYSTEM

SLC<sub>80</sub> is the rating number used in Australia and New Zealand.

Users are advised to only use SLC<sub>80</sub> when selecting their earmuffs or earplugs.

Depending on the SLC rating, a Class is assigned:

- A Class 1 protector may be used up to 90dB
- A Class 2 protector to 95dB
- A Class 3 protector to 100dB
- A Class 4 protector to 105dB
- A Class 5 protector to 110dB

SYMBOL	DEFINITION	WHERE USED
SLC80	Sound Level Conversion	Australia / New Zealand
NRR	Noise Reduction Rating	United States
SNR	Single Number Rating	European Union

## FITTING

Remove hair or any obstruction from underneath the cushion.

If spectacles are worn, cushions must be soft and subtle to ensure seal. If safety spectacles are worn in combination a thin side arm spectacle is preferable.

If a Safety Helmet is worn with cap attachable earmuffs the helmet should have contoured sides.

Neckband earmuff requires the anti-creep strap to be adjusted correctly and worn over the head to prevent slipping.

# TECHNICAL DATASHEET



## ORDERING INFORMATION

PART NUMBER	DESCRIPTION
RBDLD	UniLert Level Dependent Earmuff Class 5 29dB(A)

## MAINTENANCE/CLEANING

Hearing protectors should be inspected prior to use for damage or deterioration. Damaged or worn parts should be replaced prior to use.

The noise reduction will only be obtained if the earmuffs are in good order and worn as directed.

Regular cleaning using warm water and soap. Components should be dried prior to use. Mild detergent and hygiene wipes can be used on this product, however some products may harden or damage the cushion.

Hygiene kit/cushions should be replaced when the cushion show signs of damage or hardening.

## STORAGE

Store in an area free of contamination.

Do not leave your hearing protection device in areas or locations where it can be exposed to damage or contamination.

Sunlight is particularly damaging as UV light can have a detrimental effect on the materials the product is made from.

Chemical contamination can also have a serious effect on product integrity and decontamination after use is recommended.

Use a suitable storage container especially if left in a vehicle. This will protect the hearing protection device from damage and extend its working life.

## DISPOSAL

If the product is to be disposed of, it should be disassembled and disposed of as solid waste. Please see local authority regulations for disposal advice and locations.