

Sensear 



SP1x

Advanced SENS[®] TECHNOLOGY

SP1

Advanced SENS[®] TECHNOLOGY

“Clear communication in high noise environments”

Sensear's new range of hearing protection earplugs feature world-first SENS[®] technology



Clear Speech

Sensear's new SM1 and SM1x (Bluetooth[®]) range of earplugs feature Sensear's world-first patented SENS[®] technology (Speech Enhancing Noise Suppression) for high quality clear speech communication and optimum hearing protection in high noise environments and across all classes of noise.



SENS[®] technology

SENS[®] technology is a revolutionary technology invented by Sensear. It perfects the combination of speech enhancement and noise suppression technologies with a complex set of patented algorithms enabling what has previously been impossible, the ability to produce high quality speech audibility and optimum hearing protection in environments with noise levels above 85dB(A).



Speech Enhancement

Sensear's revolutionary speech enhancement technology isolates and enhances speech in real-time, enabling users to hear speech clearly and safely in environments that until now has been impossible. Sensear's speech enhancement technology is effective for mobile phone calls and two-way radio communication as it enhances the wearer's speech and lowers background noise for the call receiver.



Noise Suppression

Sensear's SENS[®] technology recognises the different properties of speech and background noise thereby allowing noise to be suppressed without distorting the speech. The technology reduces background noise to comfortable levels while retaining the original sound characteristics of noise. This allows users to retain awareness of their surroundings for optimum safety.



Bluetooth[®]

Sensear's x models incorporate Bluetooth[®] technology, enabling pairing and subsequent connection with mobile phones so that users can take and make mobile phone calls without removing hearing protection. SENS[®] technology + Bluetooth[®] means lower background noise for the call receiver, enabling natural and comfortable communication with the wearer.

Communication Innovation

Introducing the latest advance in communication and optimum hearing protection for high noise environments.

The Sensear SP1 and SP1x (Bluetooth[®]) earplugs have been designed for comfort, quality and endurance in the field, enabling clear communication above 85dB(A) without the need to remove hearing protection.

Sensear's SP1 and SP1x earplugs feature SENS[®] technology, a radical new innovation unique to Sensear products and the latest and most effective advance in the fight to eliminate Noise Induced Hearing Loss (NIHL) recognised by the World Health Organisation as the most common occupational illness globally.



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Product Details



The world's first communication enabled electronic earplug effective in high noise environments makes the SP1 and SP1x earplug system from Sensear a winning choice for people requiring an unobtrusive design, combined with unparalleled communication functionality. The cost-effective SP1 and SP1x (Bluetooth[®]) earplugs and controller unit have all the features of premium hearing protectors, with the added benefit of making communication compact and easy in high noise environments.

Featuring simple, discreet styling, Sensear's SM1 and SM1x earplugs provide easy to use, maximum comfort hearing protection that allows clear communication beyond 85dB(A) via face to face, two-way and mobile phone (SP1x only). The easy to operate control unit that can be worn discreetly around the neck, or in a pocket resembling an MP3 player. It can be used by workers in traditional settings as well as new markets including the domestic, entertainment, hospitality and security industries.

Bluetooth[®] technology combined with advanced SENS[®] technology in the SP1x earplugs offers optimised hearing and speech clarity when used with mobile phones. Offering all the features of the SP1x (without Bluetooth[®]), the SP1 is a premium product at a competitive price for those who still want to take advantage of face to face and two-way communication with earplug simplicity and optimum hearing protection.

Sensear's SP1x earplugs ensure that hearing protection continues for workers when they need to communicate in high noise, featuring unparalleled effectiveness above 85dB(A), the point at which traditional hearing protectors struggle to perform.

Incorporating Sensear's groundbreaking SENS[®] technology, the SM1x earplugs include Impact Noise Suppression and Binaural capability. The latter ensures that background noise is lowered to a safe level while retaining the natural qualities of the sound. The wearer retains awareness of their surroundings while being able to clearly hear the direction of all sound, including speech and alarms.



Aux input with protector cover



Ruggedised for tough treatment



Bluetooth[®] LED indicator



Lightweight and unobtrusive



Multi-directional mic for clear communication

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By addressing the need for hearing protection and clear communication in a diverse range of settings, Sensear's technology can prevent new cases of Noise Induced Hearing Loss. The SP1 and SP1x earplug range offer new comfort and safety for people already suffering hearing loss, who can now enjoy assisted listening via Sensear's unique Speech Enhancing Noise Suppression (SENS) Technology. The discreet styling of SP1x earplugs also opens a range of opportunities in cases of mild to moderate hearing loss among sufferers for whom hearing aids prove ineffective in background noise.

As well as the numerous safety benefits, users of Sensear products also benefit from the newfound ability to have normal interaction with work mates on the job. As described by one user in industry field tests, "the ability to hear the customers speak, talk on the two way and mobile, and not go home with my ears ringing, is unbelievable". Effective across the three classes of noise hazards: continuous, intermittent and impact, Sensear's SP1x earplugs now mean one flexible product can be adopted by hospitality, entertainment and similar industries where the need to communicate is essential.

Technical Details

	SP1x <small>Advanced SENS[®]</small>	SP1 <small>Advanced SENS[®]</small>
Effective above 85Db(A)	■■■■	■■■■
Protects against Impact noise	■■■■	■■■■
Protects against Intermittent noise	■■■■	■■■■
Protects against Continuous noise	■■■■	■■■■
Bluetooth	■■■■	■■■■
Two-way interface	■■■■	■■■■
Binaural capability	■■■■	■■■■
Stereo sound quality	■■■■	■■■■
Aux input	■■■■	■■■■
MP3 compatible	■■■■	■■■■
Volume memory	■■■■	■■■■
Replaceable earplugs	■■■■	■■■■
Mobile phone interface	■■■■	■■■■
Boom microphone not required	■■■■	■■■■
High-Visibility safety colours	■■■■	■■■■
Industrial ruggedised	■■■■	■■■■
12+ hours continuous talk time	■■■■	■■■■
Weight:	110g	110g



Battery charge LED indicator



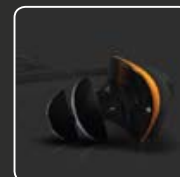
Flexible strain-relief protects cable



High-Visibility safety colours



Easy to use large buttons



Replaceable multi-fit soft earplug



SP1x

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Premium protection. Enables speech audibility and hearing protection in high noise environments above 85 Db(A) and where clear communication is required. Groundbreaking technology that identifies and recognises speech while suppressing harmful noise.

Wireless Bluetooth[®] connection to mobile phones

Ruggedised for harsh environments

Soft over-moulded plastic in vivid orange for visibility and safety

Lightweight

Ideal for use in high noise environments where flexibility and aesthetics matter such as music venues, hospitality, sporting, major events

Lithium Polymer rechargeable battery and charger unit. Battery life minimum 12hrs+ continuous talk

Input for wired connection to MP3 and popular 2 way radios

Binaural functionality enables user to tell the direction of all sounds, including speech and alarms

LED indicators for Bluetooth[®], battery level and battery change status

Compact

Unique SENS[®] technology enables clear audible conversation without removing earplugs, especially above 85dB(A)

Simple buttons for tactile adjustment without having to look

Control Pod buttons easy to use even when wearing gloves

Impact, Intermittent and Continuous Noise Suppression

SENS[®] technology makes boom microphones unnecessary

Replacable earplugs in varying sizes to fit wide range of ear cavities

Advanced earbud design compatible with wide range of custom-moulded earplugs



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