



SMART MUFF - SM1x BLUETOOTH

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Sensear's Unique Technology

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.



"Hearing protection is a sound investment."

Speaker output
Limited to
82dB(A) in
the ear*

*When tested according to EN 352-4 below H, M and L criterion levels.



Helmet Mount (HM)



Behind the Neck (BTN)

TECHNICAL FEATURES

- Effective above 85dB(A)
- Protects against impact noise
- Protects against tonal noise
- Protects against continuous noise
- SENS™ technology built-in
- Bluetooth® pairing to mobile/cell phone
- Two-way interface
- Full spatial awareness - hear the direction of speech and other sounds
- Stereo sound quality
- MP3 interface
- Volume memory
- Replacement hygiene kit
- Helmet mount available
- Boom microphone available
- High-Visibility safety colours
- Industrial ruggedised
- 12+ hours of continuous talk time
- Weight: 440g

SMART COMMUNICATION FEATURES

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 unique 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).



Face to Face

+



Speech Enhancement

+



Noise Suppression

+



Bluetooth Devices

+



MP3 Player

+



Two Way Radio

+



Cell/Mobile Phone

=

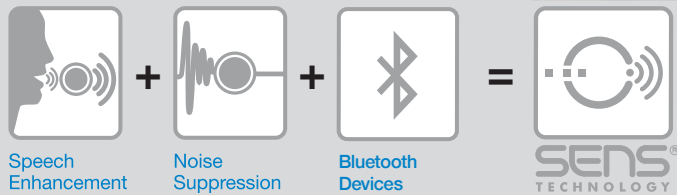


SENS™ Technology

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SMART COMMUNICATION FEATURES



Attenuation Data

SM1 Headband model

F(Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR
Mean Attenuation (dB)	21.1	25.5	29.9	32.9	34.7	41.2	39.7	41.1	41.8	25dB
Standard Deviation (dB)	4.1	3.0	3.2	2.8	3.8	3.1	3.4	3.4	2.4	
Real-Ear Protection (dB)	12.9	19.5	23.5	27.3	27.1	35.0	32.9	34.3	37.0	