



SMART MUFF - SM1

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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 10, 18 and 20 dB attenuation levels

Helmet Mount (HM)

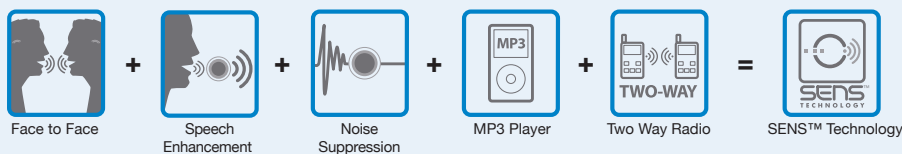
Behind the Neck (BTN)

TECHNICAL FEATURES

- Clear two way radio communication up to 120dB noise levels
- Limit 'in-ear' noise exposure to 82dB
- Connects to all industry leading two way radios via wired connection
- Built-in rechargeable battery (lithium-ion, 7-hour charge time from totally flat to full), delivers 12+ hours talk time
- 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
- Durable and lightweight design
- VOX capable
- Range of **23-25 dB. NRR** (Noise Reduction Rating)
- Noise-cancelling boom mic

SMART COMMUNICATION FEATURES

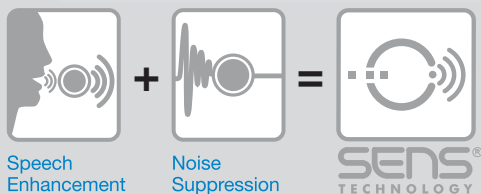
SENS™ technology is a revolutionary technology invented by Sensear. It perfects the combination of speech enhancement and noise suppression technologies with a complex set of unique algorithms enabling what has previously been impossible, the ability to produce high quality speech audibility and optimum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



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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	