



SMART MUFF - IS INTRINSICALLY SAFE

Article No.: 2578SE147

Developed in close collaboration with some of the world's leading oil and gas companies, Sensear's IS Smart Safety Ear Muff has undergone rigorous testing in some of the most volatile environments to meet the demands of companies requiring an intrinsically safe total high noise communication solution.

The IS Smart Safety Ear Muff delivers a total high noise communication solution, combined with world class hearing protection and the ability to have situational awareness.



"Hearing protection is a sound investment."

TECHNICAL FEATURES

- Allows communication in environments above 85 dB (A)
- Protects against all forms of noise – Impact, Intermittent, Continuous
- Safely hear your surroundings whilst also hearing speech
- Binaural Capability – Hear the direction of Speech & other sounds
- Speaker limited to 82 dB (A) in ear
- Face to Face communication
- Two-Way Radio Interface and MP3 Interface
- Wireless Bluetooth® connection to cellular phones
- Communicate short range distances Ear Muff to Ear Muff, up to 50 meters
- High Visibility Color with durable adjustable headband
- Extra soft ear cushions for longwearing comfort
- Simple buttons for tactile adjustment without having to look or remove earmuffs
- 12+ hours continuous talk time
- Industrial ruggedized
- Tested according to **ANSI S3.19-1974 with 25dB NRR**
- Tested according to **EN352 with 29dB SNR**

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

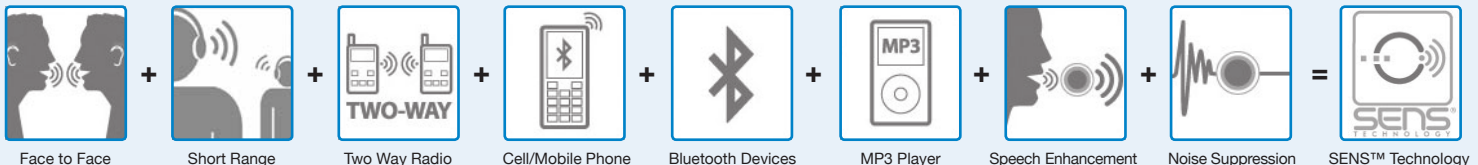


Helmet Mount (HM)

Behind the Neck (BTN)

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).



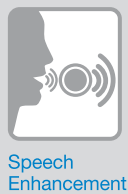
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SMART COMMUNICATION FEATURES



- Short Range FM – up to approximately 50m
- Lightweight
- Binaural functionality enables user to tell the direction of all sounds, including speech and alarms
- Extra soft ear cushions for long wearing comfort
- Separation of electronics from earmuff mouldings ensures maximum attenuation and reliability
- Impact, tonal and continuous noise suppression
- SENS™ technology built-in
- Lithium Polymer rechargeable battery and charger unit. Battery life minimum 12hrs+ continuous talk
- Noise Cancelling Boom Microphone
- Durable adjustable headband
- Ruggedised for harsh environments
- Wireless Bluetooth® connection to mobile phones
- LED indicators for Bluetooth®, battery level and battery charge status
- Simple buttons for tactile adjustment without having to look or remove earmuffs
- Easy to use buttons even when wearing gloves
- High-Visibility for added safety
- Input for wired connection to MP3
- Two-way radio interface



ANSI S3.19 Attenuation Data (Standard Headband)

SM1xSR, SM1xIS

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	

Tested according to ANSI S3.19-1974

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