



## SENSEAR IS SMART MUFF

### TOTAL HIGH NOISE COMMUNICATION SOLUTION FOR INTRINSICALLY SAFE ENVIRONMENTS

Sensear devices are powered by the groundbreaking SENS™ technology, which 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. Featuring a rugged design for heavy duty and general use in environments requiring intrinsically safe certification, the IS Smart Muff is a simple to use, extremely comfortable communication device that delivers face to face, two-way or Bluetooth® cell phone communication, all without the need to remove hearing protection. With Sensear's new IS Smart Muff, there's also no need to connect to other communication devices for short distance communication. The IS Smart Muff **enables ear muff to ear muff communication in high noise environments up to 50 yards** and is perfect for workers who work in groups where it is critical to communicate within short distances. Combining Bluetooth® technology with advanced SENS™ technology and a noise cancelling boom microphone, the IS Smart Muff offers one of the most advanced intrinsically safe hearing protection and communication devices available on the market today.



**Sensear**  
Hear Speech Stay Protected

Class I  
Division 1  
and ATEX Zone 1  
certified!



Face to Face



Short Range



Two Way Radio



Cell/Mobile Phone



Bluetooth Devices



MP3 Player



Speech  
Enhancement



Noise Suppression



SENS™ Technology

## Technical data

- Ambient temperature Ta: -4 °F ... +104 °F
- FM reception 88.0 to 108.0 MHz
- Talk time: min. 12 hours
- Speaker output: limited to 82 dB(A) in ear
- Noise Reduction Ratings (NRR):  
Neckband: 25 dB, Helmet Mount: 23 dB
- Weight: approx. 2 lbs

## Scope of delivery

- Headset
- Manual
- Wall charger
- Allen wrench

For accessories, like 2-way Radio Adapters, please contact ecom instruments Inc.

- 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 and other sounds
- Face to Face communication • 2-Way Radio Interface
- Wireless Bluetooth® connection to cellular phones
- Communicate short range distances Ear Muff to Ear Muff, up to 50 yards
- Extra soft ear cushions for longwearing comfort
- Industrial ruggedized

## Ex classification:

NEC 500: CI I Div 1 C, D T3C / IECEx: Ex ia IIB T3 Gb - Ex ia I Ma / ATEX: ⓈII 2G Ex ia IIB T3 - ⓈI M1 Ex ia I