



PERSONAL PROTECTIVE EQUIPMENT

**EAR PROTECTION** 



## **SMART EAR PLUGS**

Art No.: 2578SE148

SmartPlug is a digital hearing protection ear-plug solution for use in some of the worlds largest industries, where high noise and extreme environments are part of the everyday challenges to communications and hearing protection.

SmartPlug also comes equipped with Sensear's industry-leading SENS™ technology that enhances speech and suppresses noise so users can communicate safely and effectively while maintaining 360-degree situational awareness.



# "Hearing protection is a sound investment."



#### **TECHNICAL FEATURES**

- SENS™ Technology
- Disposable foam or silicone ear tip options for user comfort
- 82 dB(A) limited in-ear and in-Ear voice pick up
- Rechargeable battery with 15 hours battery life lowering the total cost of ownership compared to AA batteries
- Compatible for Bluetooth® and Short Range (SR) team communication
- Rugged design with belt clip for ease of wear essential for high noise industrial environments where equipment is subjected to rough handling
- Dual inline PTT allowing for easy triggering of communication functions
- USB for programming allows simple configuration of the headset by a dealer
- Ideal for use with respirators & breathing protection devices







Face to Face

Short Range

Bluetooth Cellphor

#### 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.

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## **TECHNICAL SPECIFICATIONS**



#### **Processing Unit**

- Bluetooth®
- Short Range (SR) team communication



- Ear Plugs

- Disposable foam or reusable silicone ear tip options
- Comfortable design
- 82 dB(A) limited in-ear
- SENS™ awareness
- In-Ear voice pick-up

#### Inline PTT

• Fast communication access

Two -Way Radio
Software Programmable
Rechargeable Battery

### **GENERAL**

IP Rating IF

Operating Temp.  $-20^{\circ}\text{C}$ ,  $+60^{\circ}\text{C}$  ( $-4^{\circ}\text{F}$ ,  $140^{\circ}\text{F}$ )

Weight 250 g (9 oz)

Feature Programming Mini USB Connection to Sensear App

Default Feature Profile • SENS™ Awareness

In-Ear Voice Pick-Up

• Two-Way Radio

Additional Feature • Bluetooth®

Profiles Available • SR Communication

**HEARING PROTECTION** 

In-Ear Audio Limit 82 dB(A) (programmable)

Max Noise Level (EN352-7) 118 dBA assuming 85 dB(A) criterion

Region Standard Results\*

SLC80 28 dB Class 5 Australia/NZ AS/NZS 1270:2002 USA/Canada ANSI S3.19-1974 31 dB NRR USA/Canada ANSI S12.6-2008, Method B NRR (SF) 25.6 dB Europe EN352-2 **SNR** 38 dB

#### COMMUNICATION

Voice Transmission In-Ear Microphone
Wired Connectivity 6 Pin Hirose Connector
Bluetooth® Bluetooth® 3.0, A2DP, HFP, HSP

Bluetooth® Range 15 m (16 yd)

Weight 250 g (9 oz) SENS™ Voice Pick-Up Limit 90 dBA In-Ear Voice Pick-Up Limit 110 dBA **POWER** 

Battery Type Rechargeable Lithium-Ion Polymer Battery Capacity 2650 mAh

Operating Time 15 Hours

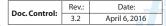
Charging Temperature -20°C, +40°C (-4°F, +104°F)

#### **SR AND RADIO**

Transmitting Band FM Frequency
Transmitting Frequency 88.1-107.9 MHz
Frequency Interval 0.1 MHz
Effective Range 20 m (21 yd)



\*Noise ratings are certified results when using the supplied disposable foam ear tip. Results will vary if alternative tips are used.



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