

smartPlug R

Perfect Complement to Radios in High-Noise Environments

The smartPlug R is an in-ear hearing protection solution built specifically to enhance two-way radio communications in high-noise environments. The solution complements Sensear's SM1R series, as it is powered by your two-way radio, thus eliminating the need for a battery inside the unit. Similar to the rest of Sensear's portfolio, the smartPlug R pairs Sensear's patented **SENS**® technology and a noise-suppression microphone to allow users in high-noise environments to communicate either via face-to-face or via two-way radios, while maintaining 360° audible awareness of your surroundings and protecting your hearing.

Some notable enhancements to the smartPlug R include: a larger more ergonomic PTT module and a new detachable ear piece assembly. The smartPlug R is also available in an Intrinsically Safe version for use in Hazardous Environments.



360°
Situational
Awareness



Electronic
Volume Limiter



Intrinsically
Safe



Face to Face
Communication



Protects
Hearing



Two-way
Radios



Speech Enhancement
Noise Suppression



FEATURES AND BENEFITS

- **SENS**® Technology
- Detachable ear piece assembly
- Disposable foam or silicone ear tip options for user comfort
- 82 dB(A) limited in-Ear and in-Ear voice pick up
- Clear two way radio communication in high-noise environments
- Connects to most industry leading 2-way radios via wired connection
- No battery, unit is powered by the radio
- Larger ergonomic Push To Talk module
- Ideal for use with respirators and breathing protection devices
- IP54 Rated
- Intrinsically safe smartPlug R (IS) certified to some of the most stringent intrinsic safety standards: TIA-4950-A, CSA C22.2 No. 157.92, & UL 913 5th Edition with a hazardous location rating of Class I, II, III, Division 1 & 2, Groups A - G, T4 -25°C to +60°C.



Technical Specifications

General

Mounting Type	In Ear
Sensear Part Number	smartPlug R or smartPlug R(IS)
Weight	257.2g
IP Rating	IP54
Operating Temperature	-25°C to +60°C (-4°F to 140°F)
Feature Programming	Mini USB connection to Sensear Application

Hearing Protection

Volume Limiter	82 dB(A) [programmable]			
Region	Australia / NZ	USA / Canada	USA / Canada	Europe
Standard	AS/NZS 1270:2002	ANSI S3.19 - 1974	ANSI S12.6 - 2008, Method B	EN352-2
Result	SLC80	NRR	NRR[SF]	SNR
Foam Tip	28 dB, Class 5	31 dB	29-39 dB	38 dB
Silicon Tip	19 dB, Class 3	24dB	21-35 dB	32 dB

Power

Power Source	Two way radio (via accessory port)
SENS® Mode power consumption	28mA
Quiet Mode power consumption	20mA

Communication

Face-to-face SENS® Mode	90 dBA
Two-way Radio	Wired radio cable with PTT module , Audio reverts back to radio when radio cable disconnected from Hirose connector
Voice transmission	In-ear microphone (inside right earpiece)

Your Local Dealer

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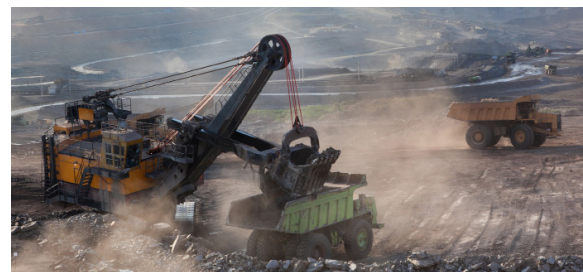
Noise is Everywhere



OIL & GAS



MANUFACTURING



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