

SP1R

Perfect Complement to Two-Way Radios in High-Noise Environments

The SP1R is a completely redesigned in-ear hearing protection and communication solution in a small and compact yet rugged package, built specifically to enhance two-way radio communications in high-noise environments and 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 SP1R pairs Sensear's patented **SENS**® technology and noise-suppression microphones 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.

The SP1R has the option of in-ear earplugs with an in-ear microphone (no boom mic.) or a light weight heavy-duty headset with in-ear plugs and an external noise cancelling boom microphone. The SP1R is also available in an intrinsically safe versions for Hazardous Locations.



Situational Awareness



Electronic Volume Limiter



Speech Enhancement Noise Suppression



Hearing Protection



Two-way Radio Interface



Face to Face Communication

FEATURES AND BENEFITS

- Small compact design built into larger ergonomic Push To Talk button
- Detachable ear piece assembly with two options (earplugs with in-ear mic or Lt Wt headset with earplugs and a noise canceling boom mic.)
- **SENS**® Technology (face-to-face communication and 360° situational awareness)
- Disposable foam or silicone ear tip options for user comfort
- 82 dB(A) in-Ear volume limiter
- Clear two way radio communication in high-noise environments
- Connects to many industry leading 2-way radios via wired connection
- No battery, unit is powered by the radio
- The in-ear mic option is ideal for use with respirators and breathing protection devices
- Noise Reduction Rating of up to 31 dB NRR
- Intrinsically Safe (IS) with UL and CSA certifications for Hazardous

Locations: UL 913 5th Ed. AN/CSA 22.2 no.157-92 Class I, II, III, Division 1 & 2 ,Groups A-G, T4, -25° C to + 60° C



Headset with boom mic or Earplugs with in-ear mic



SP1RM02 / SP1RMIS02

SP1RE02 / SP1REIS02

Technical Specifications

General

Mounting Type	In Ear (Ear Plugs) or light weight heavy-duty headset with earplugs and boom mic
Model Options	SP1RE02 / SP1REIS02 (smartPlug + in-ear mic headset) SP1RM02 / SP1RMIS02 (smartPlug + boom mic headset)
Weight	107.2g
IP Rating	IP67
Operating Temperature	-25°C to +60°C (-13°F to 140°F)

Hearing Protection

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

Power

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

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) or boom microphone with headset option.

Intrinsic Safety

SP1R IS series: UL 913 5th Ed. AN/CSA 22.2 no.157-92 Class I, II, III, Division 1 & 2, Groups A-G, T4, -25° C to + 60° C

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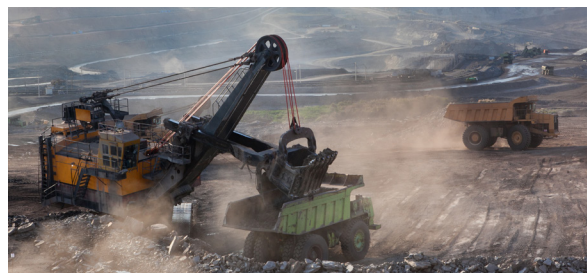
Noise is Everywhere



OIL & GAS



MANUFACTURING



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TRANSPORTATION