



# Headset

## SM1P series

### SM1PHISDP02 NAM

- SENS® Technology - remain aware of surrounding noises and hazards
- Clear two-way radio communication in high-noise environments
- Compatible with two-way radios and ecom mobile devices via Bluetooth®
- Bluetooth cellular connection for conversation and audio streaming (HFP, HSP and A2DP profiles)
- Improved Short Range with VOX capabilities and additional channel banks for headset-to-headset communications

SM1P, Double Protection, Helmet Mount, Division 1, with Bluetooth



## Technical Data

### General specifications

Description Helmet Mount

### Hardware

Microphone Boom microphone  
noise cancelling

### Electrical specifications

Battery type Li-ion  
Rechargeable  
2250 mAh

Charging time 4 h  
Operating duration 18 h

### Communication

Bluetooth Bluetooth 3.0  
HFP (8 KHz and 16 KHz), HSP, A2DP  
Range: 15 m

Connections SENS® 360° Situational Awareness: 95 dB(A)  
Half-duplex communications, Up to 8 programmable FM channels, Up to 50 meters

### Ambient conditions

Charging temperature 0 ... 40 °C (32 ... 104 °F)

### Mechanical specifications

Degree of protection IP54  
Mass 480 g

### International approvals

NEC/CEC approval  
NEC/CEC certificate SGSNA/18/SUW/00190  
NEC/CEC marking Class I, Division 1, Groups A-D T3C (-20°C to +40°C)  
Class I Zone 0 AEx ia IIC T3 Ga (-20°C to +40°C)  
Ex ia IIC T3 Ga (-20°C to +40°C)  
Approved for Mining

## Technical Features

### Hearing Protection

Volume limiter	82 dB(A) [programmable] - only applicable when the headset is powered on.		
Region	Australia / New Zealand	USA / Canada	Europe
Standard	AS/NZS 1270	ANSI S3.19	EN352-1/EN352-3

Release date: 2025-04-08 Date of issue: 2025-04-08 Filename: 70191650\_eng.pdf

## Technical Features

Result	SLC80	NRR	SNR
SM1P-EX / -IS (HB)	31 dB, Class 5	27 dB	33 dB
SM1P-EX / -IS (BTN)	27 dB, Class 5	24 dB	30 dB
SM1P-EX / -IS (HM)	26 dB, Class 5	23 dB	31 dB
SM1P-EXDP (HM)	30 dB, Class 5	36 dB	38 dB
SM1P-ISDP (HM)	30 dB, Class 5	36 dB	38 dB

HB = Headband, BTN = Behind-the-neck, HM = Helmet mount

## Accessories

Accessories for this product can be found on the internet at [www.pepperl-fuchs.com](http://www.pepperl-fuchs.com).