



# Headset

## SM1PHWEXP01 ATEX

- 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, Helmet Mount, Zone 1/21, 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

#### Data for application in connection with hazardous areas

##### ATEX approval

ATEX certificate: Baseefa18ATEX0049X - Issue 1

ATEX marking: Ex I M2 Ex ib I Mb (-20°C to +60°C)  
Ex II 2G Ex ib IIC T4 Gb (-20°C to +40°C)  
Ex II 2D Ex ib IIC T155°C Db (-20°C to +40°C)

#### International approvals

##### IECEx approval

IECEx certificate: IECEx BAS 18.0035X

IECEx marking: Ex ib I Mb (-20°C to +60°C)  
Ex ib IIC T4 Gb (-20°C to +40°C)  
Ex ib IIC T155°C Db (-20°C to +40°C)

Release date: 2020-07-22 Date of issue: 2020-07-22 Filename: 70110933\_eng.pdf

## Technical Features

### Hearing Protection

|                       |   |              |                 |
|-----------------------|---|--------------|-----------------|
| <b>Volume limiter</b> | 82 dB(A) [programmable] - only applicable when the headset is powered on. |              |                 |
| <b>Region</b>         | Australia / NZ  | USA / Canada | Europe          |
| <b>Standard</b>       | AS/NZS 1270   | ANSI S3.19   | EN352-1/EN352-3 |
| <b>Result</b>         | SLC80   | NRR          | SNR             |
| <b>HB</b>             | 31 dB, Class 5  | 27 dB        | 33 dB           |
| <b>BTN</b>            | 27 dB, Class 5  | 24 dB        | 30 dB           |
| <b>HM</b>             | 26 dB, Class 5  | 23 dB        | 31 dB           |