



Headset

SM1PEWEXP01 ATEX / INMETRO

- 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, Behind-The-Neck, Zone 1/21, with Bluetooth



Technical Data

General specifications

Description Behind-The-Neck

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 428 g

Data for application in connection with hazardous areas

ATEX approval

ATEX certificate Baseefa18ATEX0049X

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

UKCA approval

UKCA certificate BAS23UKEX0020X

Release date: 2024-11-27 Date of issue: 2024-11-27 Filename: 70110934_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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PF PEPPERL+FUCHS

Technical Data

| | |
|---------------------|---|
| UKCA marking | <ul style="list-style-type: none"> Ⓜ I M2 Ex ib I Mb (-20°C to +60°C) Ⓜ II 2G Ex ib IIC T4 Gb (-20°C to +40°C) Ⓜ II 2D Ex ib IIIC T155°C Db (-20°C to +40°C) |
| INMETRO approval | |
| INMETRO certificate | DNV 23.0209 X/00 |
| INMETRO marking | <ul style="list-style-type: none"> Ex ib I Mb (-20°C to +60°C) Ex ib IIC T4 Gb (-20°C to +40°C) Ex ib IIIC T155°C Db (-20°C to +40°C) |
| Approved for | Mining |

Accessories

Accessories for this product can be found on the internet at www.pepperl-fuchs.com.

Technical Features

Hearing Protection

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

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