Headset

SM1P series

SM1PEWEXPF01 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	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 IIIC 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 IIIC T155°C Db (-20°C to +40°C)
UKCA approval	
UKCA certificate	BAS23UKEX0020X

Release date: 2026-03-11 Date of issue: 2026-03-11 Filename: 70110934_eng.pdf

Technical Data

UKCA marking		Ⓔx I M2 Ex ib I Mb (-20°C to +60°C) Ⓔx II 2G Ex ib IIC T4 Gb (-20°C to +40°C) Ⓔx II 2D Ex ib IIIC T155°C Db (-20°C to +40°C)
INMETRO approval		
INMETRO certificate		DNV 23.0209 X/00
INMETRO marking		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

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
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.

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