

Data Sheet

SM1P SERIES

Intrinsically Safe Bluetooth® Headsets



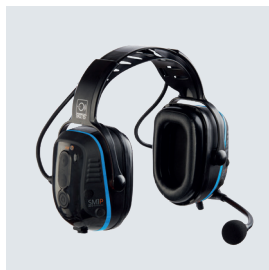
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Intrinsically Safe Bluetooth® Headsets



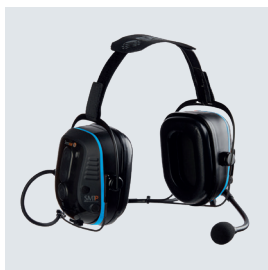
SM1PBWEX01

Headband (HB)

Weight: 495 g (17.46 oz.)

Art.-No.

ATEX + NAM: 70110932



SM1PEWEX01

Behind-the-Neck (BTN)

Weight: 428 g (15.09 oz.)

Art.-No.

ATEX + NAM: 70110934



SM1PHWEX01

Helmet Mount (HM)

Weight: 480g (16.93 oz.)

Art.-No.

ATEX + NAM: 70110933

ATEX

- ⊗ I M2 Ex ib I Mb (-20°C ≤ Ta ≤ +60°C)
- ⊗ II 2G Ex ib IIC T4 Gb (-20°C ≤ Ta ≤ +40°C)
- ⊗ II 2D Ex ib IIC T155°C Db (-20°C ≤ Ta ≤ +40°C)



NAM

UL 913 8th, UL 60079-0, UL 60079-11, CSA 60079-0, CSA 60079-11:

- Class I Division 1 Groups A-D, T3C (-20°C ≤ Ta ≤ +40°C)
- Class 1 Zone 0 AEx ia IIC T3 Ga (-20°C ≤ Ta ≤ +40°C)
- Ex ia IIC T3 Ga (-20°C ≤ Ta ≤ +40°C)



Technical Data

HEARING PROTECTION

Volume limiter	82 dB (A) [programmable] – only applicable when 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

GENERAL

IP Rating	IP54
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POWER

Battery type	Rechargeable - lithium ion
Battery capacity	2250 mAh
Operating time	18 hours (Wireless with Bluetooth/Short Range activated)
Charge time	4 hours
Charging temperature	0°C to +40°C (32°F to 104°F)

COMMUNICATION

Voice Transmission	Boom microphone – noise canceling
Bluetooth	Bluetooth® 3.0: HFP (8KHz and 16KHz), HSP, A2DP, range 15 meters (49 feet)