



# Remote Speaker Microphone

## RSM-EX01SNG-Z1EUR-1IWN...AI

- Extremely long operating times with high voice volume – Up to 78 hours
- Outstanding volume and sound performance – Up to 103 dB
- Good operability, even with gloves
- Lone worker ready (with Red Button)
- Additional multi-functional buttons and a dedicated SOS button
- 2200 mAh Li-ion battery pack for a long operating time
- Linguistic feedback when changing individual modes
- Magnetic charging cable and optional charging cradle
- IoT Ready: "Custom Service Load" allows individual button settings for sending custom commands to servers and other IoT switches - e.g. to open a gate (only for Ex-Handy 10 Series)

RSM-Ex 01, wired, Zone 1, straight 3.5 mm plug for Smart-Ex 02 and Ex-Handy 10, Audio Improvement, with Red Button, version for Europe



### Technical Data

#### General specifications

Description Audio Improved Version

#### Indicators/operating means

Key Push-to-talk button operable with thick gloves  
Front-facing multi-function button  
Volume up / down with Red Button

#### Audio data

Sound level up to 103 dB

#### Electrical specifications

Battery type Li-Ion battery  
3.7 V 2200 mAh 8.14 Wh

Operating duration Stand-by time: approx. 80 h  
Actual use/operating time depending on use and set sound level  
(See table "Run times")

#### Communication

NFC yes

#### Ambient conditions

Ambient temperature -20 ... 55 °C (-4 ... 131 °F)

#### Mechanical specifications

Degree of protection IP 64 following EN/IEC 60079-0 (ATEX/ IECEx)  
IP 65  
IP 67 following EN/IEC 60529 (industrial standard)

Connection Socket, 3.5 mm, for headset

Connector 3.5 mm, 4-pin, straight, Next Generation (Smart-Ex 02 / Ex-Handy 10)

Cable coiled

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

##### ATEX approval

ATEX certificate IBExU18ATEX1124 X

ATEX marking  
 Ⓜ II 2G Ex ib IIC T4 Gb  
 Ⓜ II 2D Ex ib IIIC T135°C Db IP64  
 Ⓜ I M2 Ex ib I Mb

#### International approvals

##### IECEX approval

IECEX certificate IECEX IBE 18.0016X

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## Technical Data

IECEX marking	Ex ib IIC T4 Gb Ex ib IIIC T135°C Db IP64 Ex ib I Mb
Approved for	Europe
<b>General information</b>	
Scope of delivery	RSM-Ex Battery Charging cable Charger Safety instructions Documentation

## Accessories

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

**Operation**

Run times\*\*

Use time in % with typical user profiles speak/hear/standby	Noisy areas with sound level above 100 dB	Noisy areas with sound level between 84 and 100 dB	Noisy areas with sound level up to 84 dB
5 / 5 / 90	-> 55 h	-> 72 h	-> 72 h
25 / 25 / 50	-> 28 h	-> 70 h	-> 71 h
50 / 50 / 0	-> 17 h	-> 67 h	-> 69 h
	Highest noise level (8/8)*	Very high noise level (4/8)*	High noise level (2/8)*
*There are 8 different volume levels possible. **determined runtimes on the Smart-Ex 01 based on RSM-Ex 01 software version V 16			

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