Remote Speaker Microphone

RSM-EX01B..-D1NAM-1BBLMOTST

- 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 (optional SOS 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, Bluetooth, Motorola WAVE™, Division 1, version for Northern America

Connection

Division 1

Technical Data

Indicators/operating means

Key	PTT button operable with thick gloves
	Front-facing multi-function button
	Volume up / down
	Channel up / down
	On/Off switch
	Red Button

Audio data

Sound level	up to 103 dB

Electrical specifications

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

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Technical Data

Battery type	Li-Ion battery 3.7 V 2200 mAh
Operating duration	Stand-by time: approx. 74 h Actual use/operating time depending on use and set sound level (See table "Run times")
Communication	
Bluetooth	yes
NFC	yes
Connections	Motorola WAVE™ For all Android™ and Apple iOS devices (including the latest Tab-Ex® Series) connected via Bluetooth® Supported and tested PTT applications: Motorola WAVE™
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Degree of protection	IP 64 following EN/IEC 60079-0 (ATEX/ IECEx) IP 67 following EN/IEC 60529 (industrial standard)
International approvals	
SGS approval	
SGS certificate	SGSNA/20/SUW/00138X
SGS marking	Cl I, II, III, Div.1, GRPS A-G, T4, T135°C Cl I, Zn 1, AEx ib IIC T4 Gb IP64 Cl II, Zn 21, AEx ib IIIC T135°C Db IP64 Cl I, Zn 1, Ex ib IIC T4 Gb IP64 Cl II, Zn 21, Ex ib IIIC T135°C Db IP64
IECEx approval	
IECEx certificate	IECEx IBE 20.0004X
IECEx marking	Ex ia IIC T4 Ga Ex ia IIIC T135°C Db IP 64 Ex ia I Ma
Approved for	Northern America
General information	
Scope of delivery	RSM-Ex Charging cable Charger Safety instructions Documentation

Matching System Components

	Tab-Ex02-DZ1-WIFINAM-ANDCS00..	Tab-Ex 02 DZ1 (DIV 1 and Zone 1/21), latest available Android firmware release, WiFi, with camera, with microSD card, version for Northern America
	Tab-Ex02-DZ1-WIFINAM-ANDCS00HM	Tab-Ex 02 DZ1 (DIV 1 and Zone 1/21), latest available Android firmware release, WiFi, with camera, with microSD card, including HART modem, version for Northern America
	Tab-Ex02-DZ1-WWANNAM-ANDCS00NC	Tab-Ex 02 DZ1 (DIV 1 and Zone 1/21), latest available Android firmware release, WWAN (LTE) incl. WiFi, with camera, with microSD card, no charger, version for Northern America
	Smart-Ex02-ROW-DZ1AIC-ANDCES..	Smart-Ex 02 DZ1 (DIV 1 and Zone 1/21), latest available Android firmware release, with camera and eSENTINEL app, global version
	Smart-Ex02-ROW-DZ1AIC-ANDC00..	Smart-Ex 02 DZ1 (DIV 1 and Zone 1/21), latest available Android firmware release, with camera, global version
	Smart-Ex02-ROW-DZ1AIC-ANDN00..	Smart-Ex 02 DZ1 (DIV 1 and Zone 1/21), latest available Android firmware release, no camera, global version
	Ex-Handy10-ROW-DZ1AIC-ANDCEB..	Ex-Handy 10 DZ1 (DIV 1 and Zone 1/21), latest available Android firmware release, with camera, eBARCODE app preinstalled, global version

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

Matching System Components

	Ex-Handy10-ROW-DZ1AIC-ANDCES..	Ex-Handy 10 DZ1 (DIV 1 and Zone 1/21), latest available Android firmware release, with camera, eSENTINEL app, global version
	Ex-Handy10-ROW-DZ1AIC-ANDC00..	Ex-Handy 10 DZ1 (DIV 1 and Zone 1/21), latest available Android firmware release, with camera, global version
	Ex-Handy10-ROW-DZ1AIC-ANDN00..	Ex-Handy 10 DZ1 (DIV 1 and Zone 1/21), latest available Android firmware release, no camera, global version
	RSM-HS 01-W	Lightweight duplex headset

Accessories

	EXT-C2LCOIL	Clip2Loop coil tether
	MINI QD LOOP	Mini QD loop
	RL ID01	Retractable lanyard for universal use
	CC S01-R	Car charger with USB-A socket for universal use
	DS RSM 01	Docking station for RSM
	TC S02 Travel Charger (EU/UK/US/AU)	Travel charger for universal use
	Charging Cable RSM	USB Charging Cable for RSM
	RSM-HS 01-W	Lightweight duplex headset

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Operation

Run times**

Use time in % with typical user profiles speak/hear/standby	100% (Level 15 media; Level 8 phone call)	75% (Level 10 media; Level 4 phone call)	25% (Level 3 media; Level 2 phone call)
5 / 5 / 90	50 h	64 h	71 h
25 / 25 / 50	22 h	44 h	64 h
50 / 50 / 0	13 h	31 h	57 h
**determined runtimes on the Smart-Ex 02 based on RSM-Ex 01 BT software version 1.0.0			

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