



Data Sheet RSM-Ex 01

Remote Speaker Microphone for Zone 1/21



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



Ex ib IIC T4 Gb
Ex ib IIIC T135°C Db IP64
Ex ib I Mb



CI, II, III, Division 1, Groups A-G, T4, T135°C
CI I Zn 1, AEx ib IIC T4 Gb
CI II Zn 21, AEx ib IIIC T135°C Db
CI I, Zn 1, Ex ib IIC IIC T4 Gb
CI II, Zn 21, Ex ib IIIC T135°C Db

Technical Data

Loudspeaker performance	Up to 103 dB			
Power supply	Li-Ion 2200 mAh			
Charging	<ul style="list-style-type: none"> Charging cable and docking station with magnetic charging plug: similar concept to Smart-Ex® 01 or Ident-Ex® 01. A docking station without any electronics and a mounting option for the charging plug. Optical charging level indication (multiple LEDs) 			
Connector	<ul style="list-style-type: none"> Plug, 3.5 mm, 4-pin, straight, with lock (Smart-Ex® 01 / Ex-Handy 09) or Plug, 3.5 mm, 4-pin, right-angled or Plug, 3.5 mm, 4-pin, straight or Plug, 3.5 mm, 4-pin, straight, Next Generation (Smart-Ex® 02 / Ex-Handy 10) or Plug, 3.5 mm, 4-pin, right-angled, Next Generation (Ex-Handy 10) 			
Connection	Socket, 3.5 mm, for headset			
Buttons	<ul style="list-style-type: none"> PTT button operable with thick gloves Front-facing multi-function button Volume up / down Red Button 			
Features	<ul style="list-style-type: none"> Lone worker ready (Red Button) IOT ready (4 standard Google intents usable and/or optional 4 additional Android Intents) Build in NFC Technologie 			
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)*
<small>*There are 8 different volume levels possible. **determined runtimes on the Smart-Ex® 01 based on RSM-Ex 01 software version V 16</small>				
Standby time	Approx. 75 hours after commissioning via the 3.5 mm jack of an Android or Windows device			
Temperature range	Ta = -20...+55°C			
IP rating	IP 64 according to EN/IEC 60079-0 (ATEX/ IECEx) IP 65 / 67 according to EN/IEC 60529 (industrial standard)			
Accessories	<ul style="list-style-type: none"> Removable belt clip Charging cable Docking station (optional) Connection of additional headsets (optional) 			

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