Data Sheet RSM-Ex 01
Remote Speaker Microphone for Zone 1/21

ATEX	Ⓔ II 2G Ex ib IIC T4 Gb
	Ⓔ II 2D Ex ib IIIC T135°C Db IP64
	Ⓔ I M2 Ex ib I Mb
IECEx	Ex ib IIC T4 Gb
	Ex ib IIIC T135°C Db IP64
	Ex ib I Mb
SGS (NEC / CEC)	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	▪ 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	▪ 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	▪ PTT button operable with thick gloves ▪ Volume up / down ▪ Front-facing multi-function button ▪ Red Button
Features	▪ Lone worker ready (Red Button) ▪ IOT ready (4 standard Google intents usable and/or optional 4 additional Android Intents) ▪ Build in NFC Technologie

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)*

Run times**

*There are 8 different volume levels possible.   **determined runtimes on the Smart-Ex® 01 based on RSM-Ex 01 software version V 16

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	▪ Removable belt clip ▪ Docking station (optional) ▪ Charging cable ▪ Connection of additional headsets (optional)

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