

UK Type Examination Certificate CML 21UKEX2519X Issue 0**United Kingdom Conformity Assessment**

- 1 Product or Protective System Intended for use in Potentially Explosive Atmospheres
UKSI 2016:1107 (as amended) – Schedule 3A, Part 1
- 2 Equipment **Intrinsically Safe Remote Speaker Microphone Type RSM-Ex 01 BT Z0**
- 3 Manufacturer **Pepperl+Fuchs SE**
- 4 Address **Lilienthalstrasse 200
68307 Mannheim
Germany**
- 5 The equipment is specified in the description of this certificate and the documents to which it refers.
- 6 Eurofins E&E CML Limited, Newport Business Park, New Port Road, Ellesmere Port, CH65 4LZ, United Kingdom, Approved Body Number 2503, in accordance with Regulation 43 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

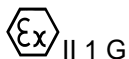
The examination and test results are recorded in the confidential reports listed in Section 12.
- 7 If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to specific conditions of use (affecting correct installation or safe use). These are specified in Section 14.
- 8 This UK Type Examination certificate relates only to the design and construction of the specified equipment. Further requirements of the Regulations apply to the manufacturing process and supply of the product. These are not covered by this certificate.
- 9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:

EN IEC 60079-0:2018

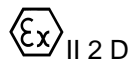
EN 60079-11:2012

EN 50303:2000

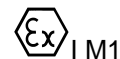
- 10 The equipment shall be marked with the following:



Ex ia IIC T4 Ga



Ex ia IIC T135°C Db



Ex ia I Ma

IP64

Ta= -20°C to +60°C



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11 Description

The RSM-Ex 01 BT is an intrinsically safe remote speaker microphone. The connection to the smartphone or further sources is realized by Bluetooth. The integrated loudspeaker is very powerful and allows clear communication even inside very harsh and noisy industry areas. It is a hand held device. The mounting on the user via belt clip is also possible. Power is supplied by a Li-ion battery, which is permanently installed in the device. Charging must take place outside the hazardous locations. Optionally, approved headsets can be used with this device.

The RSM-Ex 01 has a jack connector where a headset can be connected. Following headsets are approved and allowed to be connected to RSM-Ex 01BT:

-ComCom Ex and additional in-ear plug Serenity SPC Ex

- RSM HS 01 -W
- RSM HS 01 -B

The approved headsets are allowed to connected and disconnected directly inside the Ex-area.

+ Further accessories:

- Retractable Lanyard RL ID01
- Hand Strap.

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	17 June 2021	R14112O/00	Issue of Prime Certificate

Note: Drawings that describe the equipment are listed or referred to in the Annex.

13 Conditions of Manufacture

The following conditions are required of the manufacturing process for compliance with the certification.

- i. Carry out an inspection of the assembly and encapsulation

14 Specific Conditions of Use

The following conditions relate to the safe installation and/or use of the equipment:

- i. Do not charge or open the device inside the Ex-area
- ii. It must be ensured that the maximum input voltage (Um) for the device from the charger between the lines is 6V - The ambient temperature during the charging shall be in the range from 0 °C to +45 °C
- iii. Do not use the device in zone 20
- iv. When using the device with Retractable Lanyard RL ID01 avoid strong charge generating processes for using in mining zone only
- v. The device must be protected against strong impacts for Group I. The device must be protected against the constant contact with oils, hydraulic liquids and fats.

Certificate Annex

Certificate Number CML 21UKEX2519X
Equipment Intrinsically Safe Remote Speaker Microphone Type
RSM-Ex 01 BT Z0
Manufacturer Pepperl+Fuchs SE



The following documents describe the equipment defined in this certificate:

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For drawings describing the equipment, refer to attached certificate IBExU 20ATEX1025X Iss. 0. In addition to the drawings listed on IBExU 20ATEX1025X Iss. 0, the following drawings include the additional marking required for this UK Type Examination certification:

Drawing No	Sheets	Rev	Approved date	Title
16-1555CM-10	1 of 2	0	17 June 2021	Additional Marking Requirements for UKCA