



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx VTT 16.0008X Issue No: 0 Certificate history:
Issue No. 0 (2016-08-30)

Status: **Current** Page 1 of 4

Date of Issue: **2016-08-30**

Applicant: **Savox Communications Oy Ab**
Sinikalliontie 3
FI-02630 ESPOO
Finland

Equipment: **Products: C-C500/TK-2260 Ex, Thrane&Thrane C-C500 Ex,
Thrane&Thrane C-C500 Ex Peltor, C-C500/WARIS ATEX**

Optional accessory: *See additional information page*

Type of Protection: **Intrinsically safe**

Marking: C-C500/TK-2260 Ex, Thrane&Thrane C-C500 Ex, Thrane&Thrane C-C500 Ex Peltor:
Ex ib IIC T4
C-C500/WARIS ATEX:
Ex ib IIC T5

Approved for issue on behalf of the IECEx
Certification Body:

Martti Siirola

Position:

Senior Expert

Signature:
(for printed version)

Date:

2016-08-30

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

VTT Expert Services Ltd.
Kivimiehentie 4, Espoo
P.O.Box 1001
FI-02044 VTT
Finland





IECEX Certificate of Conformity

Certificate No: IECEX VTT 16.0008X

Issue No: 0

Date of Issue: 2016-08-30

Page 2 of 4

Manufacturer: **Savox Communications**
Laitaatsillantie 3
FI-57170 SAVONLINNA
Finland

Additional Manufacturing location(s):

Savox Communications (Shenzen) Co. Ltd

7th Floor, Building #2, Hong Hui Industrial Park, Liu Xian 2nd Road, 68th Subdistrict, Baoan, Shenzen
China

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Explosive atmospheres - Part 0: General requirements

Edition:6.0

IEC 60079-11 : 2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "I"

Edition:6.0

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

FI/VTT/ExTR16.0006/00

Quality Assessment Report:

FI/VTT/QAR08.0001/05

FI/VTT/QAR10.0003/02



IECEx Certificate of Conformity

Certificate No: IECEx VTT 16.0008X

Issue No: 0

Date of Issue: 2016-08-30

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description of Equipment

The radiophone mic/speaker unit, type SAVOX C-C500 manufactured by Savox Communications Ltd, shall be used with an intrinsically safe radiophone and optional plug in microphone/speaker accessories given below. The plastic material of the enclosure is conductive.

Electrical data

Ui = 9 V Ii = 3 A Pi = 6.75 W Ci = 10 nF Li = 1 μ H

CONDITIONS OF CERTIFICATION: YES as shown below:

Allowed ambient temperature range is Tamb -20 °C to +55 °C.

When used with allowed plug-in accessories listed in the additional page, the limited conditions shall be observed.

Connection of SAVOX C-C500 RSM Units shall be done according to radio manufacturer's instructions.



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Certificate No: IECEx VTT 16.0008X

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Page 4 of 4

Additional information:

Allowed Plug-In Accessories:

- a) SAVOX TC-1 Ex
- b) SAVOX MP-H ATEX
- c) SAVOX N-H Peltor ATEX (IIC), SAVOX N-HH Peltor ATEX (IIC)
- d) Peltor Adapter Cable Ex
- e) Invisio H-M3x-2-xxxX-xxx
- f) SAVOX IS-Com ATEX
T4 (-20 °C < Ta < +40 °C)
- g) SAVOX HC... ATEX
T4 (-20 °C < Ta < +55 °C)
- h) SAVOX MS-Com ATEX
T4 (-20 °C < Ta < +55 °C)
- i) SAVOX NC ATEX
T4 (-20 °C < Ta < +40 °C)
- j) SAVOX N-H Silenta ATEX (IIB), SAVOX N-HH Silenta (IIB)
IIB T4 (-20 °C < Ta < +40 °C)
- k) Dräger Com Tac...ATEX (IIB)
IIB T4 (-20 °C < Ta < +40 °C)
- l) Holmco HL-09 ATEX / SCORPION ATEX, HL19
VTT 10 ATEX 029X T4 (-20 °C < Ta < +50 °C)
- m) CON-SPACE FACEMASK COM/Sabrecom 2
T4 (-20 °C < Ta < +55 °C)
- n) FRR Ele. Mic Ex QR4
- o) FPS-COM-PLUS VA R-C
(Ref. ATEX-certificate ITS 11 ATEX 27318X)
- p) FPS-COM 5000
(Ref. ATEX-certificate ITS 16 ATEX 28437X)
- q) MT7H79F-50, MT7H79B-50, MT7H79P3E-50
T4 (-20 °C < Ta < +40 °C)