



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 TUR 09.0004X issue No.:0 Certificate history:

Status: **Current**

Date of Issue: **2009-12-11** Page 1 of 4

Applicant: **Kenwood Corporation**
1-16-2 Hakusan, Midori-ku, Yokohama-shi, Kanagawa, 226-8525 Japan
Japan

Electrical Apparatus: **VHF and UHF FM Transceiver with Li-ion Battery Pack**
Optional accessory: **See listing below**

Type of Protection: **Intrinsic Safety - Ex i and Protection by Enclosure - Ex t**

Marking: **Ex ib I Mb**
Ex ib IIC T4 Gb
Ex ib tb IIIC T 110°C Db

Approved for issue on behalf of the IECEx
Certification Body:

Dipl.-Ing. Heinz Farke

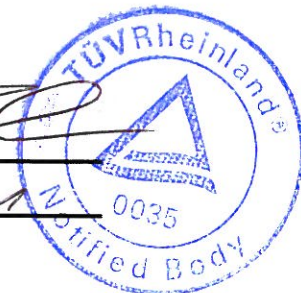
Position:

Deputy Head of ExCB

Signature:
(for printed version)

Date:

2009-12-11



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:

TUV Rheinland Industrie Service GmbH
Am Grauen Stein
51105 Cologne
Germany





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Manufacturer: **Kenwood Corporation**
1-16-2 Hakusan, Midori-ku, Yokohama-shi, Kanagawa, 226-8525 Japan
Japan

Manufacturing location(s):

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 : 2007-10 Edition: 5	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-11 : 2006 Edition: 5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 61241-1 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"
IEC 61241-11 : 2005 Edition: 1	Electrical apparatus for use in the presence of combustible dusts - Part 11: Protection by intrinsic safety 'ID'

*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:

[DE/TUR/ExTR09.0004/00](#)

Quality Assessment Report:

[DE/TUR/QAR09.0010/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The VHF and UHF FM Transceiver is a private mobile radio handheld equipment powered by a battery pack. The equipment and its assessed accessories can be used in potentially explosive atmospheres:

- Group I EPL Mb
- Group II EPL Gb
- Group III EPL Db

List of equipment and its assessed accessories:

VHF FM Transceiver	TK-2260EX- E
UHF FM Transceiver	TK-3260EX- E
with	
Li-ion Battery Pack	KNB-58LEX- M
Belt Clip	KBH-16EX- M

CONDITIONS OF CERTIFICATION: YES as shown below:

1. Do not expose to permanent UV light.
2. For usage in mining environment:
 - 2.1
The impact test of the equipment was performed with low risk of mechanical danger.
Do not expose the equipment to higher impact risks.
 - 2.2
Do not expose to oil, grease and hydraulic liquid in mining applications.



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EQUIPMENT(continued):

List of equipment and its assessed accessories:
and accessories options:

Leather Case	KLH-168EX- M
Antenna	KRA- 22-M, M2, M3
Antenna	KRA- 23-M, M3
Antenna	KRA- 26-M, M2, M3
Antenna	KRA- 27-M, M3