



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

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

Certificate No.:	IECEX TUR 24.0007X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 4	Issue 3 (2025-07-08)
Date of Issue:	2026-03-27		Issue 2 (2024-08-14)
Applicant:	I-Care srl Rue Rene Descartes 18 7000 Mons Belgium		Issue 1 (2024-07-05)
Equipment:	Wi-care 130 Ex		Issue 0 (2024-04-29)
Optional accessory:			
Type of Protection:	Ex ia		
Marking:	Ex ia IIC T4 Ga Ex ia IIIB T135°C Db		

Approved for issue on behalf of the IECEx
Certification Body:

Christian Mehrhoff

Position:

Assigned certifier

Signature:
(for printed version)



Date:
(for printed version)

2026-03-27

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 www.iecex.com or use of this QR Code.



Certificate issued by:

TUV Rheinland Industrie Service GmbH
Am Grauen Stein
51105 Cologne
Germany





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Manufacturer: **I-Care srl**
Rue Rene Descartes 18
7000 Mons
Belgium

Manufacturing
locations: **I-Care srl**
Rue Rene Descartes 18
7000 Mons
Belgium

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 equipment 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 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

This Certificate **does not** indicate compliance with 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/ExTR24.0007/04](#)

Quality Assessment Report:

[DE/TUR/QAR16.0004/06](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Wi-care 130 Ex

WM5103311410x

WM5103313410x

WM5103314410x

(The suffix "x" in the model numbers represent a digit from 0 to 9 and is used as a placeholder for market-specific updates. It does not affect compliance with IECEX or ATEX requirements.)

General product information:

The Wi-care 130 Ex is an accelerometer or a vibration sensor. It contains 3 piezo-electric devices for measurements on the 3 axis (x, y, z). It is powered by a lithium cell. Data transmission is done wireless with an RF module. There is no external connection for power supply, data transmission or antenna.

The equipment is to be used for collecting vibration data and temperature on industrial equipment, including locations in Ex zones. The devices are to be set on a machine for a long period of time (permanent installation for at least the life of the battery).

Data collected is directly transmitted to the gateway which is another equipment within the Wi-care system, which manages the OpenThread network and sends tasks to the equipment.

Type	Electrical data	Environmental data
WM5103314410x	The equipment is powered by Tadiran SL-2770 Lithium Metal Batteries – Primary cell, 3.6V.	$-20^{\circ}\text{C} \leq \text{Ta} \leq +70^{\circ}\text{C}$
WM5103313410x	The equipment is powered by a 3V Primary Saft M 52 EX SV battery.	$-20^{\circ}\text{C} \leq \text{Ta} \leq +70^{\circ}\text{C}$
WM5103311410x	The equipment is powered by a 3.6V Primary Li-SOCI2 (SAFT LS 26500) battery.	$-20^{\circ}\text{C} \leq \text{Ta} \leq +60^{\circ}\text{C}$

SPECIFIC CONDITIONS OF USE: YES as shown below:

- READ MANUAL - ELECTROSTATIC CHARGING HAZARD



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

The devices were assessed to meet the requirements for hazardous locations caused by dust environments IIIB.