

# (1) EU-TYPE EXAMINATION CERTIFICATE



(2) Equipment and Protective Systems intended for use in  
Potentially Explosive Atmosphere - **Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number:

**TÜV 23 ATEX 9025 X**

Issue: 03

(4) Equipment: **Wi-care 130 Ex, WM5103311410x, WM5103313410x, WM5103314410x**

(5) Manufacturer: **I-Care srl**

(6) Address: **Rue René Descartes 18  
7000 Mons  
Belgium**

(7) This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) The Zertifizierungsstelle für Explosionsschutz of TÜV Rheinland Industrie Service GmbH, Notified Body No. 0035 in accordance with Article 21 of the Council Directive 2014/34/EU of 26th February 2014, certifies this product which has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmosphere, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report 557 / Ex9025.03 / 23.

(9) Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:

**EN IEC 60079-0: 2018**

**EN 60079-11: 2012**

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and specification for construction of the equipment or protective system. It does not cover the process for actual manufacture or supply of the equipment or protective system, for which further requirements of the directive are applicable.

(12) The marking of the equipment shall include the following:



**II 1 G**

**Ex ia IIC T4 Ga**

Cologne, 2025-07-08

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz



This EU-Type Examination Certificate without signature and stamp shall not be valid and may be circulated only without alteration.  
Extracts or alterations are subject to approval by Zertifizierungsstelle für Explosionsschutz of TÜV Rheinland Industrie Service GmbH.  
Am Grauen Stein • 51105 Köln • Tel. +49 (0) 221 806-0 • Fax. + 49 (0) 221 806 114

(13)

(14)

Annex to

# EU-Type Examination Certificate

## TÜV 23 ATEX 9025 X

Issue: 03

### (15) Description of Equipment

#### Equipment and type:

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.

#### Details of Change:

- The upper environmental temperature limit for WM5103311410x was increased to +60°C.
- The model name was changed from "WM51033114102" to "WM5103311410x", where the suffix 'x' represents a digit from 0 to 9, serving as a placeholder for market-specific updates without affecting compliance with IECEx or ATEX requirements.

#### Technical data:

Type	Electrical data	Environmental data
WM5103314410x	The equipment is powered by Tadiran SL-2770 Lithium Metal Batteries – Primary cell, 3.6V.	-20°C ≤ Ta ≤ +70°C IP66/67
WM5103313410x	The equipment is powered by a 3V Primary Saft M 52 EX SV battery.	-20°C ≤ Ta ≤ +70°C IP66/67
WM5103311410x	The equipment is powered by a 3.6V Primary Li-SOCI2 (SAFT LS 26500) battery.	-20°C ≤ Ta ≤ +60°C IP66/67

#### List of used equipment and components

Device	Manufacturer	Type	Ex-Marking	Certificate no.
Fuse	AVX modified by IS Fusion	F0603G0R06FNTR (AVX reference)	Ex ia IIC	IECEx SIR 07.0050U Sira 05ATEX2274U
Battery	Saft	Cell type Saft M52 EX SV	Ex II 2G	IECEx BVS 13.0053U BVS 13 ATEX E 035 U

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Annex to

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## TÜV 23 ATEX 9025 X

Issue: 03

(16) **Test report No.:** 557 / Ex9025.03 / 23

(17) **Special Conditions for safe use**

1. READ MANUAL - ELECTROSTATIC CHARGING HAZARD

(18) **Essential Health and Safety Requirements**

The Essential Health and Safety Requirements are covered by the standards listed at item 9.

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

Cologne, 2025-07-08



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