



AC 099

OBAC

Ośrodek Badań, Atestacji i Certyfikacji Sp. z o.o.
44-121 Gliwice, ul. Łabędzka 21

(1) EU-TYPE EXAMINATION CERTIFICATE

- (2) Equipment, products and protective systems intended for use in Potentially Explosive Atmospheres. Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014.
- (3) EU type examination certificate No: **OBAC 23 ATEX 0311X, Issue 0**
- (4) Equipment: **Volumetric Meter VM30x0**
- (5) Manufacturer: **OTODATA Wireless Network Inc.**
- (6) Address: **1180 Rue De Louvain Ouest, Montreal Quebec H4N-1G5, Canada**
- (7) This equipment, product or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) The Institute for Research and Certification „OBAC” Ltd., notified body No.1461 in accordance with Article 17 and Article 21 of the Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment, product or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres, given in Annex II to the Directive. The examination and test results and the list of agreed technical documentation are recorded in the confidential report No. OBAC/23/ATEX/0311.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
- 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, product or protective system is subject to the Specific Conditions of Use specified in the schedule to this certificate.
- (11) This EU-Type Examination Certificate relates only to the design and construction of the specified equipment, product or protective system in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment, product or protective system. These are not covered by this certificate.
- (12) The marking of the equipment, product or protective system shall include the following:

 **II 1G Ex ia IIB T3 Ga**



Head of Certification Body

Piotr Tarnawski M. Com.

Gliwice, 6th September 2023



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(13)

SCHEDULE

(14)

to the EU-Type Examination Certificate
No. OBAC 23 ATEX 0311X, Issue 0

(15) Ex Product description:

Volumetric Meter VM30x0 is an intrinsically safe telemetry device designed for a remote meter reading of gas meters. The device is mounted between gas meter body and mechanical index.

VM30x0 uses magnetoresistive sensors to read magnetic field pulses generated by rotating part of gas meter index. Electronics calculates, store such pulses and periodically sends data to other telemetric system devices with use of Bluetooth chip or cellular network modem module.

Electronic circuit is mounted on one PCB inside of an open plastic enclosure. It is powered by no replaceable battery pack consisted of Lithium 3,6V battery and parallelly connected supercapacitor. Battery pack and printed board are encapsulated. Only antenna connected to modem and its cable are outside of encapsulated circuit's part.

Marking:**VM30x0****VM3010**

device with Bluetooth interface

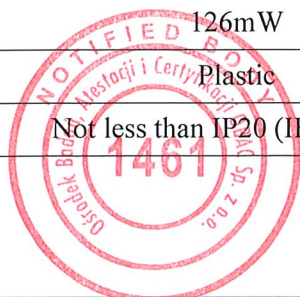
VM3020-xxxx

device with Bluetooth interface and cellular network modem (NB-IoT and LTE CAT-M technologies)

optional, non-Ex part of marking related with software version, functions, operator, etc.

Rated data:

Power supply	Battery pack 3,6V 8,5Ah
Ambient temperature	$-40^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$
Radio communication interface	Cellular network Bluetooth
Radio frequency range	600-2600MHz
Maximum radio power	126mW
Housing material	Plastic
Degree of protection	Not less than IP20 (IEC 60529)





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(16) Report:

– OBAC/23/ATEX/0311.

(17) Specific conditions of use:

- Ambient temperature range: $-40^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$.
- Warning – Potential electrostatic charging hazard – see instructions.

(18) Essential health and safety requirements:

Met by compliance with the requirements mentioned in item 9.

