



Translation

(1) **EU-Type Examination Certificate**

(2) Equipment and protective systems intended for use in potentially explosive atmospheres, **Directive 2014/34/EU**

(3) **Certificate Number** TÜV 07 ATEX 554018 X **Issue:** 01

(4) for the product: Radio Transmitter type VISY-RFT

(5) of the manufacturer: **FAFNIR GmbH**

(6) Address: Schnackenburgallee 149 c
22525 Hamburg
Germany

Order number: 8003057266

Date of issue: See date of signature

(7) The design of this product and any acceptable variation thereto are specified in the schedule to this EU-Type Examination Certificate and the documents therein referred to.

(8) The TÜV NORD CERT GmbH, Notified Body No. 0044, in accordance with Article 17 of the Directive 2014/34/EU of the European Parliament and the Council of 26 February 2014, certifies that this product 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 are recorded in the confidential ATEX Assessment Report No. 23 203346077.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018/AC:2020-02


EN 60079-11:2012

except in respect of those requirements listed at item 18 of the schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions for Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design, and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

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

 II 1(1) G Ex ia [ia Ga] IIC T4 Ga

TÜV NORD CERT GmbH, Am TÜV 1, 45307 Essen, notified by the central office of the countries for safety engineering (ZLS), Ident. Nr. 0044, legal successor of the TÜV NORD CERT GmbH & Co. KG Ident. Nr. 0032

The head of the notified body

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(13) **SCHEDULE**

(14) **EU-Type Examination Certificate TÜV 07 ATEX 554018 X Issue 01**

(15) Description of product

The radio transmitter is an intrinsically safe apparatus for transmitting sensor data from potentially explosive atmospheres. The radio transmitter is operated with a replaceable battery pack.

Type code and Marking:

VISY-RFT	Radio Frequency Transmitter	Ex ia [ja Ga] IIC T4 Ga
L2	Replaceable Batterie Pack	Use only on VISY-RFT

Electrical data:

Auxiliary power	Nominal voltage 3.6 V from internal battery pack type L2 from FAFNIR GmbH
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Sensor circuit
(terminals +, A, B, -)

in type of protection intrinsic safety Ex ia IIC/IIB
Maximum values:

$U_o = 7.8 \text{ V}$
 $I_o = 59 \text{ mA}$
 $P_o = 98 \text{ mW}$
 Characteristic line: linear
 C_i negligibly small
 L_i negligibly small

The maximum permissible values for the external inductance (L_o) and capacitance (C_o) shall be taken from the following table:

	Ex ia IIC		Ex ia IIB	
	L_o	10 mH	5 mH	50 mH
C_o	0.78 μF	1.0 μF	4.6 μF	6.1 μF

The aforementioned maximum values of L_o and C_o consider the coincidental appearance of capacitance and inductance with the intention to allow the use of long connecting cables.

Permissible ambient temperature range:
-40 °C ... +60 °C

(16) Drawings and documents are listed in the ATEX Assessment Report No. 23 203 346077

(17) Specific Conditions for Use

The radio transmitter is built in a plastic enclosure. The risk of ignition by static electricity due to friction on the enclosure is to be avoided. The equipment shall be cleaned only with damp or antistatic cloth.

(18) Essential Health and Safety Requirements

no additional ones

- End of EU-Type Examination Certificate -