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(1)

EU-Type Examination Certificate

(2) Equipment or protective system intended for use in potentially explosive atmospheres **- Directive 2014/34/EU**

(3) Certificate number: **SEV 19 ATEX 0113 X**

(4) Product: Telemetry Unit NETRIS®3

(5) Manufacturer: Sensile Technologies SA

(6) Address: Rue de Lausanne 45, 1110 Morges, Switzerland

(7) The equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) Eurofins, notified body No. 1258, in accordance with article 17 of Directive 2014/34/EU of the European parliament and of the council, dated 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 confidential report no 17-Ex-0095.X01, 20CH-00652.X02, 20CH-00652.X04

(9) Compliance with the essential health and safety requirements has been assured by compliance with:

EN IEC 60079-0:2018
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 subjected to special conditions for safe use specified in the schedule to this certificate. The sign "U" is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.

(11) This EU type examination certificate relates only to design and construction of the specified product. Further requirements of this directive apply to the manufacturing process and supply of this product. 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
II 1(1)D Ex ia [ia Da] IIIB T_{200}135 °C Da

Eurofins Electric & Electronic Product Testing AG
Notified Body ATEX

Martin Plüss
Product Certification

(13) # Appendix

(14) **EU-Type Examination Certificate no. SEV 19 ATEX 0113 X**

(15) **General product information**

NETRIS®3 products (also called telemetry unit in the document) is a measuring and transmitting device using long range RF (Radio Frequency) technologies. NETRIS®3 is self-powered by a primary battery cell. The module is mainly connected to a Hall Effect or pressure sensor for measuring the liquid level of fuel tank such as gasoline, heating oil or Liquefied Petroleum Gas (LPG). In an assembly variant, NETRIS®3 is able to communicate through a serial connection with other type of gauges. The system is then installed in an industrial environment.

Classification of installation and use:	Fixed
Ingress protection:	≥ IP20
Rated ambient temperature range (°C):	-40 °C to +60 °C
Rated ambient temperature range (°C) for Ex Components:	N/A

Ratings:

One lithium manganese dioxide battery (Li-MNO_2) is used for the power supply:
Type: LM17500; Manufacturer: Saft; Nominal Voltage (U): 3.0 V

Output parameters	Short term input parameters:
U_o ≤ 5.88 V	Duration: ≤1 s
I_o ≤ 200 mA	U_i ≤ 8 V
P_o ≤ 295 mW	I_i ≤ 500 mA

Maximum allowed capacitance and inductance for gas group IIB:

C_o [µF]	10	15	19	23	31	39	52	83	140	340	1000
L_o [mH]	5	2	1	0.5	0.2	0.1	0.05	0.02	0.01	0.005	0.002

Maximum allowed capacitance and inductance for gas group IIC:

C_o [µF]	1.3	1.9	2.6	3.7	4.6	5.8	8.1	11	16	30	43
L_o [mH]	1.6	1	0.5	0.2	0.1	0.05	0.02	0.01	0.005	0.002	0.001

(16) **Report number** 22CH-00652.X04

(17) **"Special conditions for safe use" / "Schedule of limitations"**

Under certain extreme circumstances, the non-metallic enclosure may generate an ignition-capable level of electrostatic charge. Therefore the equipment shall not be installed in a location where the external conditions are conductive to the build-up of electrostatic charge on such surfaces. In addition, the equipment shall only be cleaned with a damp cloth.

(18) **Essential health and safety requirements**

In addition to the essential health and safety requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause **Subject**
None

(19) **Drawings and Documents**

See test report "Manufacturer's Documents"