



(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 17 ATEX 0139**
- (4) Product: **Pressure Sensor SENS.5**
- (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 22CH-00911.X03
- (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 1G Ex ia IIB T4 Ga

Eurofins Electric & Electronic Product Testing AG
Notified Body ATEX

Martin Plüss
Product Certification



(13)

Appendix

(14)

EU-Type Examination Certificate no. SEV 17 ATEX 0139

(15) **General product information**

The SENS.5 product family are absolute pressure sensors used as a submersible gauge to measure the liquid level. The measured pressure value is amplified and translated into an analog ratiometric voltage.

It has a stainless steel housing with a permanently attached cable.

Parts of the electronic are encapsulated.

Classification of installation and use:

stationary

Ingress protection:

IP68

Rated ambient temperature range (°C):

- 40 °C ≤ Tamb ≤ 60 °C

Rated ambient temperature range (°C) for Ex Components:

N/A

Ratings:

Sensor circuit with type of protection intrinsic safety Ex ia IIB only for connection to a certified intrinsically safe circuit.

Maximum values:

$U_i \leq 15 \text{ V}$

$I_i \leq 250 \text{ mA}$

$P_i \leq 937 \text{ mW}$

$C_i = 1.89 \text{ }\mu\text{F}$

$L_i = 0 \text{ mH}$

(16) **Report number**

22CH-00911.X03

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

None

(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”