

1. **CERTIFICATE OF CONFORMITY**
2. **Equipment or Protective System Intended for use in Potentially explosive atmospheres
Directive 2014/34/EU**
3. Certificate Number: **EESF 24 ATEX 039X**
4. Product: **Inline Concentration Monitor**
Certified type: **DCM-10**
5. Manufacturer: **KxS Technologies Oy**
6. Address: **Zirkonipolku 2 A, FI-01700 Vantaa, Finland**
7. This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
8. Eurofins Electric & Electronics Finland Oy, Notified Body number 0537, 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. EUFI29-24003982-T1.
9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0:2018 EN IEC 60079-7:2015/A1:2018 EN 60079-18:2017 IEC 60079-26:2021
10. If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.
11. This Certificate of Conformity has been given according to Annex IX to the Directive and it gives the full compliance with the Directive. According to Article 16 of the Directive the CE marking shall be followed by the identification Number 0537 of the Notified Body.
12. The marking of the product shall include the following:

**II 2/3G Ex ec mc IIC T4 Gb/Gc**

Espoo, 3.3.2025
Eurofins Electric & Electronics Finland Oy

Jenni Hirvelä
Senior Expert

Kari Koskela
Senior Expert

This document is digitally signed.



13. **Schedule**

14. **Certificate of Conformity EESF 24 ATEX 039X**

15. **Description of Product**

Inline Concentration Monitor DCM-10 provides real-time measurements in semiconductor wet chemical process applications. The liquid measurement technology is based on refractive index. Inline Concentration Monitor DCM-10 includes an integrated pT-1000 temperature element for process temperature measurement and simultaneous automatic temperature compensation of the concentration measurement.

Inline Concentration Monitor DCM-10 operates with 24VDC input power supply. The communication signal is transferred through either an analogue 4-20mA port, or a digital Modbus TCP port. Respective shielded connector port carries a 24VDC input power supply pinout. When the analogue output port is chosen, the other digital port is used as a service channel for sensor parameter and diagnostics update in the user interface on a computer web browser, external display, or mobile device. All user interface options can be used simultaneously.

Electrical Ratings:

$$U_N = 24 \text{ V}_{DC}$$

$$I_N = 110 \text{ mA}$$

$$P = 2.5 \text{ W}$$

16. **Report Number**

EUF129-24003982-T1

17. **Specific Conditions of Use**

1. Allowed ambient temperature range is $0 \text{ }^{\circ}\text{C} \leq T_{amb} \leq 45 \text{ }^{\circ}\text{C}$.
2. The connector shield is isolated from earth and may present 5 pF capacitance.

18. **Essential Health and Safety Requirements**

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

19. **Drawings and Documents**

Drawings and documents are listed in the confidential report.