

CERTIFICATE

(1) EU-Type Examination

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

(3) EU-Type Examination Certificate Number: **DEKRA 25ATEX0062X** Issue Number: **0**

(4) Product: **Gas Chromatograph ENERSIC600**

(5) Manufacturer: **Endress+Hauser SICK GmbH+Co. KG**

(6) Address: **Bergener Ring 27, 01458 Ottendorf-Okrilla, Germany**

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

(8) DEKRA Certification B.V., Notified Body number 0344 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 test report mentioned in item (16).

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

EN IEC 60079-0 : 2018 + A11

EN 60079-1 : 2014 + A11

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 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 product. Further requirements of the 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 2 G Ex db IIB+H₂ T4 Gb

Date of certification: 26 August 2025

DEKRA Certification B.V.

R. Schuller
Certification Manager



Throughout this document, a point is used as the decimal separator.

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(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate DEKRA 25ATEX0062X** Issue No. **0**

(15) **Description**

The gas chromatograph ENERSIC600 is a chemical analysis instrument for determining gas composition of a complex gas sample. The gas chromatograph consists of a single Ex d enclosure and is provided with a separately certified Amphenol receptacle or cable gland with adapter and optionally with a remote junction box, for connection of the power supply and communication cable.

Ambient temperature range: -20 °C to +55 °C.
Process pressure: max. 200 kPa at sample inlets (S1 to S4)
max. 450 kPa at carrier inlets (C1 to C2)

Degree of protection of the version with connector: IP65 in accordance with IEC 60529 and EN IEC 60079-0.

The gas chromatograph may contain the following separately assessed ATEX compliant parts.

Equipment	Manufacturer	Type	Certificate	Ex marking
Connector	AMPHENOL EEC, INC.	EXM-A02-13- 35...	SIRA 07ATEX1229X Issue 11	Ex db eb IIC T5 Gb
Cable gland	CMP Products Limited	CMP- 20PX2KREX1R A5	CML 18ATEX1325X Issue 1	Ex db IIC Gb
Adapter	CMP Products Limited	CMP- 737DM4M2	CML 18ATEX1320X Issue 3	Ex db IIC Gb

Electrical data

Power supply: 20 to 28 Vdc
Power consumption: max. 75 W

Installation instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

NL/DEK/ExTR25.0032/00.

(17) **Specific conditions of use**

- The dimensions of the flameproof joints are specified in the manufacturer's instructions.
- The user shall provide additional clamping of the cable to ensure that pulling is not transmitted to the terminations.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in test report mentioned in item (16).