



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEx DEK 25.0031X	Page 1 of 3	Certificate history:
Status:	Current	Issue No: 0	
Date of Issue:	2025-08-26		
Applicant:	Endress+Hauser SICK GmbH+Co. KG Bergener Ring 27 01458 Ottendorf-Okrilla Germany		
Equipment:	Gas Chromatograph ENERSIC600		
Optional accessory:			
Type of Protection:	Ex db		
Marking:	Ex db IIB+H₂ T4 Gb		

Approved for issue on behalf of the IECEx
Certification Body:

R. Schuller

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

2025-08-26

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

DEKRA Certification B.V.
Meander 1051
6825 MJ Arnhem
Netherlands





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Manufacturer: **Endress+Hauser SICK GmbH+Co. KG**
Bergener Ring 27
01458 Ottendorf-Okrilla
Germany

Manufacturing locations: **Endress+Hauser SICK GmbH+Co. KG**
Bergener Ring 27
01458 Ottendorf-Okrilla
Germany

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[NL/DEK/ExTR25.0032/00](#)

Quality Assessment Report:

[DE/TUN/QAR09.0005/12](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

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 IEC 60079-0.

The gas chromatograph may contain the following separately certified parts:

Equipment	Manufacturer	Type	Certificate	Ex marking
Connector	AMPHENOL EEC, Inc.	EXM-A02-13-35...	IECEX SIR 08.0029X Issue 10	Ex db eb IIC T5 Gb
Cable gland	CMP Products Limited	CMP-20PX2KREX1RA5	IECEX CML 18.0182X Issue 1	Ex db IIC Gb
Adapter	CMP Products Limited	CMP-737DM4M2	IECEX CML 18.0177X Issue 2	Ex db IIC Gb

Electrical data

Power supply: 20 to 28 Vdc

Power consumption: max. 75 W

SPECIFIC CONDITIONS OF USE: YES as shown below:

- 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.