

(1) **EU-Type Examination Certificate**  
(2) **Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres**

**Directive 2014/34/EU**

(3) EU – Type Examination Certificate Number: **IEP 22 ATEX 1009X**

(4) Product: **GaSis-Ex01 Industrial Gas Measurement Devices**

(5) Firm Name: **Sismik Isıtma Soğutma ve Güvenlik Sistemleri San. Tic. A.Ş.**

(6) Firm Address: **Perpa Ticaret Merkezi A Bl. Kt:5 No: 309 Şişli, İstanbul – TURKEY**

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

(8) The IEP Uluslararası Enerji Petrol Gözetim, Sertifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Sti., notified body number 2284 in accordance with Article 17 of the Directive 2014/34/EU of 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 Nr: IEP.Rp.Ex.10-2057 date 03.03.2022.

(9) Compliance with Essential Health and safety requirements has been assured by compliance with;

**EN IEC 60079-0:2018 , EN 60079-1:2014**

(10) If the sign “ X “ is placed after the certificate number, it indicates that the product is subject to Specified Conditions of Safe 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 in accordance to the directive 2014/34/EU. Further requirements of the directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

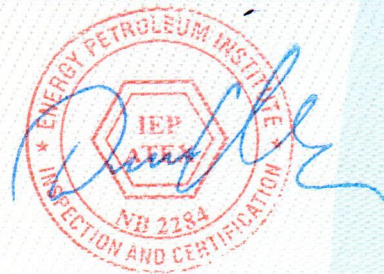
(12) The marking of the equipment or protective system shall include the following:



**II 2G Ex db IIB+H2 T6 Gb, IP 65**

**Responsible Person ;**

Nurettin Terzioglu  
Head of Certification Body



**Date of Issue : 11.03.2022**





# IEP ENERGY PETROLEUM INSTITUTE

(13) Schedule and Certificate Nr : **IEP 22 ATEX 1009X**

(14) Description of Equipment: GaSis-EX01 Industrial Gas Measurement Devices are designed to continuously measure explosive and toxic gases in the air or in the environment and to control the determined alarm levels. There is electrical equipment inside the flameproof Ex db box. (IEP 18 ATEX 0580 X) There is an energy input and signal output cable outlet. The outer body is made of Aluminum. IP degree of protection is IP 65. Energy input is available with 12/24V DC. There are 3 contact outputs. It uses in Zone 1 and zone 2 areas classified according to the EN 60079-10-1. The test report number is TSE-662365/02-22.

## Technical Specifications

<b>Operating Voltage</b>	12V/24V DC, 2W
<b>Alarm Output</b>	Contact Output (NC/C/NO)
<b>Plc/Scada Output</b>	4-20 mA,RS485
<b>Detection Gases</b>	Hydrogen Sulfide, Ammonia, Carbonmonoxide, Methane, Butane, Propane, LPG, Hydrogen
<b>Sensing Value</b>	0-1000 ppm Carbonmonoxide 0-100 ppm (Hydrogen Sulfide, Ammonia) 0-100%LEL (Methane, Butane, Propane, LPG, Hydrogen)
<b>Ambient Temperature (Ta)</b>	-20°C ~ + 60°C
<b>IP Protection Degree</b>	IP 65

(15) Essential Health and Safety Requirements:

This certificate is in the contents of standards that mentioned in item (9). It has been accepted that are manufactured according to the producer instructions and the standards mentioned above.

(16) Special Conditions for Safe Use:

**16.1 IEP 22 ATEX 1009X : X Means ;** Industrial Gas Measurement Devices must be installed by authorized persons according to the user manual. Periodic inspection should be carried out by the authorized person according to EN 60079-17. External ground cable must be connected during installation min. 4 mm<sup>2</sup>.

**16.2** The cable glands or stopping plugs that can used on the box must use Ex db Atex certified.

**16.3** It must be installed with original parts on the device. The certificate will be invalid if different equipment is used. Component list 2 pages dated 04.02.2021.

(17) List of Documentation;

- ♦ GaSis-Ex01 user manual: 4 pages, dated 04.09.2021
- ♦ Drawings;

Drawings No:	Date	Drawings No:	Date
SG-001	10.08.2021	SG-009	10.08.2021
SG-002	10.08.2021	SG-010	10.08.2021
SG-003	10.08.2021	SG-011	10.08.2021
SG-004	10.08.2021	SG-012	10.08.2021
SG-005	10.08.2021	SG-013	10.08.2021
SG-006	10.08.2021	SG-014	10.08.2021
SG-007	10.08.2021	SG-015	10.08.2021
SG-008	10.08.2021		

**Responsible Person ;**

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IEP Uluslararası Enerji Petrol Gözetim, Sertifikasyon ve Teknik Hizmetler Organizasyon Ticaret Limited Sirketi  
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