

- (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 18 ATEX 0580 X**
- (4) Product: **Gas Detector, Type GaSis-Ex01**
- (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.10-1254 date 10.05.2018.
- (9) Compliance with Essential Health and safety requirements has been assured by compliance with ;  
**EN 60079-0:2013 , 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 Terzioğlu  
Head of Certification Body



**Date of Issue : 30.05.2018**







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(13) Schedule

(14) Certificate Nr : IEP 18 ATEX 0580 X

(15) Description of Equipment:

GaSis-Ex01 type gas detector is used to detect the concentration of combustible and LPG, Hydrogen, Ammonia, carbon monoxide, Butane, Propane etc. Gas detector is composed of body, electronic cards, cable gland and sensor. Electronic card is comprised semiconductor, catalytic, electrochemical or infrared sensors inside the sensor heads. Sensor heads is made from aluminum. GaSis-Ex01 type gas detector head is equipped with cable series HD 21.13.S1/HD.22.4.S4. And Atex certificate of sensor head is certificate number IEP 14 ATEX 0199X.

GaSis-Ex01 type gas detector is protection class of IP 65. IP protection and explosion test number is TSE 404681/04-18

GaSis-Ex01 type gas detector is use as zone 1 and zone 21 that be used danger area determined in the EN 60079-10-1 standard.

GaSis-Ex01 type gas detector used parts are available at the table Part 2.5 and dated 05.01.2018.

**X** : Installation should be made to the instruction manual. All the cable connections in hazardous areas must be done by ex proof junction boxes.

## Technical Parameters: Gas Detector, Type GaSis-Ex01

Product Type	: Type GaSis-Ex01
IP protection	: IP 65
Ambient Temperature	: -20 °C ; +60 °C
Signal Output	: 4 – 20 mA
Electrical Parameters	: 12 – 24 V DC, 2 W
Cable Length/ Thickness	: 4 x 1,5 mm <sup>2</sup> (Min)

(16) Special Conditions for Safe Use: Assembly and working of GaSis-Ex01 type gas detector with other related equipment must be adapted to national regulations.

(17) Essential Health and Safety Requirements:

17.1 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.

17.2 Information of assembled working of GaSis-Ex01 type gas detector with other related equipment exist in instruction manual with 4 pages approved and date 18.01.2018.

**Responsible Person ;**

Nurettin Terzioglu  
Head of Certification Body







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(18) Certificate Nr : IEP 18 ATEX 0580 X

(19) List of Documentation;

- ♦ GaSis-Ex01 Type Gas Detector user manual : 4 pages, dated 18.01.2018
- ♦ Component Lists : Part 2.5 dated 05.01.2018
- ♦ Mounting Pictures and Technical Drawings : Part 2.6
- ♦ Certificates and Test Reports : Part 4
- ♦ Drawings;

Drawing Nr.;	Drawing Name;	Date;
GaSis-Ex01/2.6.1	Dimensions 1	18.01.2018
GaSis-Ex01/2.6.2	Dimensions 2	18.01.2018
GaSis-Ex01/2.6.3	Dimensions 3	18.01.2018
GaSis-Ex01/2.7.1	Technical drawing	18.01.2018
GaSis-Ex01/2.7.2.2	Connection scheme	18.01.2018
GaSis-Ex01/2.7.3	Dimensions 4	18.01.2018
GaSis-Ex01/2.7.4	Dimensions 5	18.01.2018
GaSis-Ex01/2.7.5	PCB	18.01.2018
GaSis-Ex01/2.7.6	Open circuit scheme	18.01.2018
GaSis-Ex01/2.7.7	PCB	18.01.2018
GaSis-Ex01/2.7.8	Dimensions picture	18.01.2018
GaSis-Ex01/2.8.1	Mounting area	18.01.2018
GaSis-Ex01/2.8.2	Connection scheme	18.01.2018
GaSis-Ex01/2.9	Label	18.01.2018

**Responsible Person ;**

Nurettin Terzioglu  
Head of Certification Body



**Date of Issue : 30.05.2018**