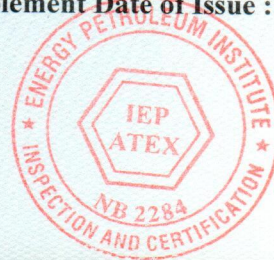


**Supplement No: 1****(1) EU-Type Examination Certificate**  
**(2) Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres****Directive 2014/34/EU****(3) EU – Type Examination Certificate Number: IEP 14 ATEX 0199 X****(4) Product: Gas Sensor Head, Type GaSis-M/Ex****(5) Firm Name: SİSMİK Isıtma ve Soğutma Güvenlik Sistemleri San. Tic. A.Ş.****(6) Firm Address: Perpa Ticaret Merkezi A Blok Kat 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.10-560-1 date 30.10.2017.****(9) Compliance with Essential Health and safety requirements has been assured by compliance with ;****EN 60079-0 : 2013 , EN 60079-1 : 2014 , EN 60079-18 : 2015****(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 mb db IIAT6 Gb****Responsible Person:**NurettinTerzioglu  
Head of Certification Body**Supplement Date of Issue : 02.11.2017**



# IEP ENERGY PETROLEUM INSTITUTE

(13) Schedule

(14) Certificate Nr: **IEP 14 ATEX 0199 X**

(15) Description of Equipment;

The Gas Sensor Head, Type GaSis-M/Ex are used to detect the concentration of combustible and gas. The Sensor Head is composed by a gas sensor containing electronic cards. Sensor Head can be made from Automation Steel(11SMnPb30) Body, Aluminum Body. There is epoxy in the body. GaSis-M/Ex type sensor head can be used with exproof detectors. If the detector is not exproof equipment; detector should be installed in the nonhazardous area. Gas Sensor Head, Type GaSis-M/Ex is equipped with cable series HD 21.13. S1/HD.22.4. S4. Sensor type is MQ-4.

Gas Sensor Head, Type GaSis-M/Ex is protection class of IP 65.

Gas Sensor Head, Type GaSis-M/Ex is used as Zone 1 and Zone 21 that be used danger area determined in the EN 60079-10-1/2 standard.

### Technical Parameters: Gas Sensor Head, Type GaSis-M/Ex

Product Type	: GaSis-M/Ex
IP Protection Degree	: IP 65
Ambient Temperature	: - 10 °C ~+ 50 °C
Maximum Power Dissipated	: 900 mW, 5 VDC
Cable Length/ Thickness	: 3x 0,5 mm <sup>2</sup> (Min) for 5 mt ; 3x 0,75 mm <sup>2</sup> (Min) for 10 mt 3x 1,00 mm <sup>2</sup> (Min) for 20 mt ; 3x 1,50 mm <sup>2</sup> (Min) for 50 mt

X Means : Read the user manual for installation. The energy-limiting element should be used in the detector.

(16) 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.

(17) Special conditions for safe use

Working of Gas Sensor Head, Type GaSis-M/Ex with other related equipments must be adapted to national regulations.

(18) List of Documentation:

Drawing Nr ;	Drawing Name ;	Date;
DR0010	Exploded picture	24.10.2013
DR0013	Mounting diagram	24.10.2013
DR0009	Main Body	24.10.2013
DR0016	Sensor Sensing Body	24.10.2013
DR0015	Filter	24.10.2013
DR0011	General Electrical diagram	24.10.2013
DR0013	Sensor Electrical diagram	24.10.2013
DR0014	Label	24.10.2013
DR0015	Rev. Filter and cog system	19.08.2017

Parts that are used in Gas Sensor Head, Type GaSis-M/Ex indicated in the unit and technical specifications Table 1 Add. DR0013 and date 24.10.2013.

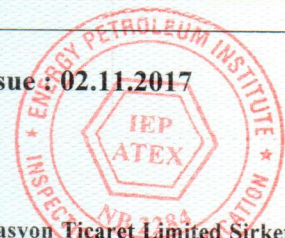
### Certificate History

Supplement N°	Supplement Date	Summary Description of Variation
01	02.11.2017	Product revision and new regulation
00	21.01.2014	First issue of certificate

Responsible Person:

Nurettin Terzioğlu  
Head of Certification Body

Supplement Date of Issue: **02.11.2017**



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