

Supplement Nr: 2

EU-Type Examination Certificate

(1)

(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 0224X**

(4) Product: **Gas Detector, Type GA 21**

(5) Firm Name: **SMS Sanayi Malzemeleri Üretim ve Satış A.Ş.**

(6) Firm Address (HQ) : **Bostancı Yolu Kuru Sokak No: 16/2 Y.Dudullu Ümraniye İstanbul – TURKEY**
Address (FAC.) : **Çerkeşli OSB Mah. İMES 5. Cadde No:6 Dilovası İMES OSB/Kocaeli – 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.10-606-2 date 08.09.2021.

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

EN IEC 60079-0 : 2018 , 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 IIA T4 Gb, IP 65 / IP 55

Responsible Person:

Nurettin Terzioğlu
Head of Certification Body



Supplement 2 Date of Issue : 15.09.2021





IEP ENERGY PETROLEUM INSTITUTE

(13) Schedule / Certificate Nr: **IEP 14 ATEX 0224X**

(14) Description of Equipment: Gas detector consists of three parts . These parts are body , cable gland and sensor head . Electronic equipments are in the interior. The body of the product is made of Etial 160 material. Gas alarm device in explosion proof body , is designed for alerting if there is any leakage of LPG or Natural gas on potentially explosive areas like an industrial kitchen or on a boiler room. Cable gland explosion proof code II 2G Ex db IIC Gb and certificate number , IEP 12 ATEX 0108X, and sensor head explosion proof code II 2G Ex db mb IIA T4 Gb and certificate number IEP 13 ATEX 0135X . Gas detector Type GA 21 is equipped with cable series HD 21.13.S1/HD.22.4.S4 .Gas detector Type GA 21 is protection class of IP 65 and gas detector head sinter IP 55. Gas detector is use as zone 1 that be used danger area determined in the EN 60079-10-1 standard.

Technical Parameters: Gas detector, Type GA 21

Detecting gasses	Natural gas and LPG
Operation Voltage	12V AC/DC
Power	3 W
Output signal	5 A , 30 V DC or 4-20 mA
IP xy Protection	IP 65 Box / IP 55 (Sinter)
Ambient Temperature °C	- 10 ~ + 50

(15) 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) List of documentation ; Gas detector Type GA 21 manual prepared in association with the gas detector and date 15.06.2021 (15 page)

Drawing Nr:	Drawing Name;	Date;
GA-21-R1-00	Exploded Drawing	15.06.2021
FLT12GA27W6X3	Sinter	11.01.2019
BRC28EXPGA-01-01	Gas Detector Head	17.11.2020
ETK16GA21001-01	Label	15.06.2021
GVD16GAATEX01-00	Body	15.06.2021
KON28EXPGA-01-00	Gas Detector Head Cover	22.06.2021
KPK16GAATEX01-00	Body Cover	27.02.2021
KRTPEXP28GA21012	Stop Plug	27.02.2021
RKR28EXGA212101249-00	Cable Gland	27.02.2021

(17) Parts that are used in Gas detector Type GA 21 are indicated in the units , table component list and electronic component list , date 15.06. 2021. Additional Test Report / Date : Turkish Standards Institute / 09-21.

Certificate History:

Supplement Nr	Supplement Date	Summary Description of Variation
02	15.09.2021	Standard Revision (EN IEC 60079-0:2018) , Flameproof Box Body Change
01	25.03.2019	Upgrade to ATEX directive 2014/34/EU, Standard Update, Sensor head of scope revision
00	16.06.2014	First issue of certificate

Responsible Person :

Nurettin Terzioğlu
Head of Certification Body



Supplement 2 Date of Issue : 15.09.2021

