

KSC POLAND Sp. z o.o.

(1) EU-TYPE EXAMINATION CERTIFICATE

- (2) **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU**
- (3) EU-Type Examination
Certificate No.: **KSCP 24ATEX0001X**, Issue: 0
- (4) Product: **Karf & Scoot GDSFX Fixed Gas Detector**
- (5) Manufacturer: **UESTCO Energy Sytems**
- (6) Address: **Aydınevler Mah. Beste Sok. Tan Çelik Plaza, No:1-3
Kat:2-3 Maltepe, İstanbul, Türkiye**
- (7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) KSC POLAND Sp. z o.o., Notified Body number 2877, in accordance with Article 17 of Directive 2014/34/EU of the 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 No. **KSCP/AR/24/Q00308**
- (9) Compliance with the 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 the Specific Conditions of 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 product shall include the following:

**II 2G Ex db IIC T6 Gb**

Signature
President of the Board



Katowice, 22nd February, 2024



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AC 216

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SCHEDULE

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(15) Description of Product:

The fixed gas detector, GDSFX is designed to detect various gases in industrial areas as well as toxic and flammable gases. The equipment triggers alarm when the gas expected to exceed a particular concentration. The equipment consists of a cylindrical body with threaded cover and sensor capsule which are made of EN AC-46000 aluminium alloy. The cover contains a tempered glass window fixed by epoxy. There are two M20 threaded cable entries in a straight line on one side. There is a sensor capsule on the opposite side at the right angle from the entry which is connected to the body by threaded joint. Sintered metal element made of stainless steel 316 is assembled in the sensor capsule by press fitted.

Rating:

Supply Voltage:

18 ~ 30 VDC

Ambient temperature:

-20 °C to +60 °C

(16) Report Number:

– **KSCP/AR/24/Q00308**

(17) Specific Conditions of Use:

– In accordance with clause 5.1 of EN 60079-1, the flameproof joints of the equipment shall not be repaired.

(18) Essential Health and Safety Requirements:

Essential Health and Safety Requirements are ensured by conformity with standards listed at item 9 of this certificate.

(19) Drawings and Documents:

– Documentation agreed, provided by manufacturer:

Title:	Drawing No.:	Rev. Level:	Date:
GDSFX PART LIST	GDSFX-00-A0	0	2024. 01. 15
GDSFX E/C/I/P TYPES	GDSFX-00-R0	0	2024. 01. 09
GDSFX BODY & LID ASSEMBLY	GDSFX-01-R0	0	2024. 01. 15
GDSFX BODY	GDSFX-02-R0	0	2024. 01. 15
GDSFX LID	GDSFX-03-R0	0	2024. 01. 15
CONNECTION PART	GDSFX-04-R0	0	2023. 08. 11
SENSOR CAPSULE	GDSFX-05-R0	0	2023. 10. 20
THREADED RING	GDSFX-06-R0	0	2024. 01. 15
SCREEN GLASS	GDSFX-07-R0	0	2023. 10. 20



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FLAT WASHER	GDSFX-08-R0	0	2023. 09. 04
MOTHER BOARD PCB OF SCREEN	GDSFX-09-R0	0	2023. 02. 24
MOTHER BOARD PCB OF GDSFX	GDSFX-10-R0	0	2023. 02. 24
MOTHER BOARD PCB COVER	GDSFX-11-R0	0	2023. 10. 20
MOTHER BOARD PCB COVER	GDSFX-11-R1	0	2023. 10. 20
SINTERED METAL	GDSFX-12-R0	0	2024. 01. 15
LABEL	GDSFX-13-R0	0	2024. 01. 15
CONNECTION PART ORING MATERIAL	GDSFX-14-R1	0	2024. 01. 15
CONNECTION PART ORING MATERIAL	GDSFX-14-R2	0	2024. 01. 15
GDSFX LID ORING MATERIAL	GDSFX-14-R3	0	2024. 01. 15
GDSFX BODY ORING MATERIAL	GDSFX-14-R4	0	2024. 01. 15

– Product instruction:

Title:	Document No.:	Rev. Level:	Date:
GDSFX Fixed Gas Detector User manual	User manual	-	-

A detailed list of documents necessary to identify the approved type is included in the Report referred to in point 16 of this certificate.

(20) Certificate history:

Issue	Issue date	Notes
0	22 nd February, 2024	Initial certification

