



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX KSCP 24.0001X** Page 1 of 3 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2024-02-22
Applicant: **UESTCO Energy Systems**
Aydınevler Mah. Beste Sok. Tan Çelik Plaza, No:1-3 Kat:2-3 Maltepe,
İstanbul,
Türkiye
Equipment: **Karf & Scoot GDSFX Fixed Gas Detector**
Optional accessory:
Type of Protection: **flameproof enclosure "d"**
Marking: Ex db IIC T6 Gb
Ta: -20 °C to +60 °C

Approved for issue on behalf of the IECEx
Certification Body:

Sang He Kim

Position:

President of the Board

Signature:
(for printed version)

Date:
(for printed version)

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

KSC POLAND Sp. z o.o.
Chorzowska 150 Street
Katowice 40-101
Poland





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Date of issue: 2024-02-22

Issue No: 0

Manufacturer: **UESTCO Energy Systems**
Aydınevler Mah. Beste Sok. Tan Çelik Plaza, No:1-3 Kat:2-3 Maltepe,
İstanbul,
Türkiye

Manufacturing locations: **UESTCO Energy Systems**
Aydınevler Mah. Beste Sok. Tan Çelik
Plaza, No:1-3 Kat:2-3 Maltepe,
İstanbul,
Türkiye

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[PL/KSCP/ExTR24.0001/00](#)

Quality Assessment Report:

[PL/KSCP/QAR22.0017/01](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

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. Refer to certificate addendum.

SPECIFIC CONDITIONS OF USE: YES as shown below:

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

Annex:

[KSCP_Annex_IECEX KSCP 24.0001X.pdf](#)



Addendum to IECEx Certificate

Reference Number..... :	IECEx KSCP 24.0001X
Issue..... :	Issue 0

Description


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.

Marking:

Marking has to be readable and indelible; it has to include the following indications:

Item	Detail
Manufacturer's name or registered trade mark	UESTCO Energy Systems 
Address	Aydınevler Mah. Beste Sok. Tan Çelik Plaza, No:1-3 Kat:2-3 Maltepe, İstanbul
Product name	FIXED GAS DETECTOR
Type identification	GDSFX
Serial No. and year of manufacturer	T.B.D.
Certificate number	IECEx KSCP 24.0001X
Code	Ex db IIC T6 Gb
Tamb.	-20 °C to +60 °C
Rating	18 ~ 30 VDC
Warnings	WARNING! DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT!

Routine tests:

None. The equipment has passed 4 times reference pressure test. Therefore, no routine overpressure test is required.

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