

KSC POLAND Sp. z o.o.

EU-TYPE EXAMINATION CERTIFICATE

- (1)
- (2) **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU**
- (3) EU-Type Examination
Certificate No.: **KSCP 22ATEX0026X**, Issue: 0
- (4) Product: **Karf&Scoot Industrial Fixed Gas Detector GD series**
- (5) Manufacturer: **UESTCO Energy Sytems**
- (6) Address: **Şerifali Mah. Hendem Cad. No:2 Kat:2-3, Umraniye,
Istanbul, 34775, 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/22/Q00192**
- (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, 15th September, 2022



KSC POLAND Sp. z o.o.

SCHEDULE

CERTIFICATE No.: KSCP 22ATEX0026X, Issue:0

(13)

(14)

(15) Description of Product:

Karf&Scoat Industrial Fixed Gas Detector, GD series (GD2G, GD420 and GD485), consists of Body, Cover and Sensor capsule part. Body, Cover, Connection part and Sensor capsule are made of Aluminium alloy. Sintered metal made of stainless steel, 316L, is assembled in the Sensor capsule by press-fitted. Hexagon socket set screws prevent to loose the threaded joints of Cover and Sensor capsule. two M20 P1.5 entries are provided in the Body. There are four kinds of sensors, I(Infra red), E(Electrochemical), C(Catalytic) and PID(Photoionization Detector). Length of Sensor capsule for E, C and PID is longer than the one for I(Infra red) type.

Rating:

Supply Voltage:

14~30 V DC,

Ambient temperature:

-20 °C to +60 °C

(16) Report Number:

– **KSCPI/AR/22/Q00192**

(17) Specific Conditions of Use:

- The flameproof joints are not intended to be repaired.
- User should contact the manufacturer for information on the dimensions of the flameproof joints.

(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:
GD2G PART LIST for E/C/P TYPE	GD2G-00-A0	1	2022.06.22
GD2G E/C/P TYPE	GD2G-00-R1	0	2022.06.22
GD2G BODY & LID ASSEMBLY FOR E/C/P TYPE	GD2G-15-R0	1	2022.03.01
GD2G BODY	GD2G-00-R0	1	2022.03.01
GD2G LID	GD2G-01-R0	1	2022.08.31
CONNECTION PART E/C/P TYPE	GD2G-03-R0	1	2022.03.01
SENSOR CAPSULE E/C/P TYPE	GD2G-07-R0	1	2022.06.22
GD2G CAPSULE	GD2G-06-R0	1	2022.03.01
GD2G PART LIST FOR IR TYPE	GD2G-00-A1	1	2022.06.22



KSC POLAND Sp. z o.o.

SCHEDULE

CERTIFICATE No.: KSCP 22ATEX0026X, Issue:0

(13)

(14)

GD2G IR TYPE	GD2G-00-R2	0	2022.06.22
GD2G BODY & LID ASSEMBLY FOR IR TYPE	GD2G-15-R1	1	2022.03.01
CONNECTION PART IR TYPE	GD2G-03-R1	1	2022.07.01
SENSOR CAPSULE IR TYPE	GD2G-07-R1	1	2022.07.01
SINTER	GD2G-09-R0	1	2022.08.31
MOTHER BOARD PCB AND COVER ASSEMBLY	GD2G-02-R0	1	2022.03.01
MOTHER BOARD PCB	GD2G-12-R0	1	2022.03.01
SENSOR PCB ASSEMBLY FOR ELECTROCHEMICAL TYPE	GD2G-16-R0	0	2022.03.01
SENSOR PCB ASSEMBLY FOR CATALYTIC TYPE	GD2G-17-R0	0	2022.03.01
SENSOR PCB ASSEMBLY FOR PID TYPE	GD2G-23-R0	0	2022.06.22
SENSOR PCB ASSEMBLY FOR INFRARED TYPE	GD2G-18-R0	0	2022.06.22
LABEL	GD2G-14-R0	1	2022.09.13
EXTERNAL EARTH SCREW	GD2G-19-R0	0	2022.03.01
INTERNAL EARTH SCREW	GD2G-20-R0	0	2022.03.01
SCREW FOR LID AND CAPSULE	GD2G-21-R0	0	2022.03.01
EXTERNAL TOOTH LOCK WASHERS TYPE A	GD2G-22-R0	0	2022.03.01
GD420 PART LIST for E/C TYPE	GD420-00-A0	0	2022.06.22
GD420 E/C TYPE	GD420-00-R1	0	2022.06.22
GD420 BODY & LID ASSEMBLY FOR E/C TYPE	GD420-15-R0	0	2022.06.22
GD420 BODY	GD420-00-R0	0	2022.06.22
GD420 LID	GD420-01-R0	1	2022.08.31
CONNECTION PART E/C TYPE	GD420-03-R0	0	2022.03.01
SENSOR CAPSULE E/C TYPE	GD420-07-R0	0	2022.06.22
GD420 CAPSULE	GD420-06-R0	0	2022.03.01
SINTER	GD420-09-R0	1	2022.08.31
MOTHER BOARD PCB AND COVER ASSEMBLY	GD420-02-R0	0	2022.06.22
MOTHER BOARD PCB	GD420-12-R0	0	2022.03.01
SENSOR PCB ASSEMBLY FOR ELECTROCHEMICAL TYPE	GD420-16-R0	0	2022.06.22
SENSOR PCB ASSEMBLY FOR CATALYTIC TYPE	GD420-17-R0	0	2022.06.22
LABEL	GD420-14-R0	1	2022.09.13
EXTERNAL EARTH SCREW	GD420-19-R0	0	2022.06.22
INTERNAL EARTH SCREW	GD420-20-R0	0	2022.06.22
SCREW FOR LID AND CAPSULE	GD420-21-R0	0	2022.06.22
EXTERNAL TOOTH LOCK WASHERS TYPE A	GD420-22-R0	0	2022.06.22
GD485 PART LIST for E/C TYPE	GD485-00-A0	0	2022.06.22



KSC POLAND Sp. z o.o.

SCHEDULE

CERTIFICATE No.: KSCP 22ATEX0026X, Issue:0

(13)

(14)

GD485 E/C TYPE	GD485-00-R1	0	2022.06.22
GD485 BODY & LID ASSEMBLY FOR E/C TYPE	GD485-15-R0	0	2022.06.22
GD485 BODY	GD485-00-R0	0	2022.06.22
GD485 LID	GD485-01-R0	1	2022.08.31
CONNECTION PART E/C TYPE	GD485-03-R0	0	2022.06.22
SENSOR CAPSULE E/C TYPE	GD485-07-R0	0	2022.06.22
GD485 CAPSULE	GD485-06-R0	0	2022.06.22
GD485 PART LIST FOR IR TYPE	GD485-00-A1	0	2022.06.22
GD485 IR TYPE	GD485-00-R2	0	2022.06.22
GD485 BODY & LID ASSEMBLY FOR IR TYPE	GD485-15-R1	0	2022.06.22
CONNECTION PART IR TYPE	GD485-03-R1	1	2022.07.01
SENSOR CAPSULE IR TYPE	GD485-07-R1	1	2022.07.01
SINTER	GD485-09-R0	1	2022.08.31
MOTHER BOARD PCB AND COVER ASSEMBLY	GD485-02-R0	0	2022.06.22
MOTHER BOARD PCB	GD485-12-R0	0	2022.06.22
SENSOR PCB ASSEMBLY FOR ELECTROCHEMICAL TYPE	GD485-16-R0	0	2022.06.22
SENSOR PCB ASSEMBLY FOR CATALYTIC TYPE	GD485-17-R0	0	2022.06.22
SENSOR PCB ASSEMBLY FOR INFRARED TYPE	GD485-18-R0	0	2022.06.22
LABEL	GD485-14-R0	1	2022.09.13
EXTERNAL EARTH SCREW	GD485-19-R0	0	2022.06.22
INTERNAL EARTH SCREW	GD485-20-R0	0	2022.06.22
SCREW FOR LID AND CAPSULE	GD485-21-R0	0	2022.06.22
EXTERNAL TOOTH LOCK WASHERS TYPE A	GD485-22-R0	0	2022.06.22

– Product instruction:

Title:	Document No.:	Rev. Level:	Date:
Karf&Scoop GD2G Fixed Gas Detector	Technical manual	-	-
Karf&Scoop GD420 Fixed Gas Detector	Technical manual	-	-
Karf&Scoop GD485 Fixed Gas Detector	Technical 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	15 th September, 2022	Initial certification

