

# 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 22ATEX0013X**, Issue: 0

(4) Product: **SMART Gas Detector/Transmitter DA-600-\***

(5) Manufacturer: **GASDNA Co., Ltd.**

(6) Address: **101, Bukhang-ro 193beon-gil, Seo-gu, Incheon, 22856,  
Korea, Republic of**

(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/Q00188**

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN IEC 60079-0:2018  
EN 60079-31:2014**

**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  
II 2D Ex tb IIIC T85°C Db**

Signature  
President of the Board



Katowice, 6<sup>th</sup> April, 2022



# KSC POLAND Sp. z o.o.

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## SCHEDULE

### CERTIFICATE No.: KSCP 22ATEX0013X, Issue:0

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(15) Description of Product:

The SMART Gas Detector/Transmitter DA-600-\* (\* can be 1 or 2 in accordance with sensor housing 1 or 2) detects combustible or toxic gas leaked from industrial areas and converts digital signal into the 4-20mA standard current output signal which can be transmitted to various devices such as PLC, DDC or recorder, to build up comprehensive gas monitoring system. It also provides RS-485 communication signal and alarm relay contact. Equipment comprises two flameproof enclosures such as detector housing and sensor housing which are separated by a cement compound in the sensor housing. The detector cylindrical body with threaded cover is made from aluminium (AC4C). The detector housing cover contains a tempered glass window fixed by epoxy. There are two NPT 3/4" entries in a straight line on one side of detector housing body. There is sensor housing on the opposite side at right angle from the entry which is made from STS303 and connected to the detector housing body by threaded joint. Sensor housings consist sensor mounted in cylindrical tube closed from one side by sintered metal element and cemented by epoxy from other side. The cement compound allows passage of electrical wire from the sensor housing to the detector housing.

**Rating:**

Supply voltage	DC 24 V, 100 mA
Power	2.4 W
Ingress protection	IP 66
Ambient temperature	- 40 °C ≤ Tamb ≤ + 50 °C

(16) Report Number:

– **KSCP/AR/22/Q00188**

(17) Specific Conditions of Use:

– Under certain extreme circumstances, the equipment may generate a risk of electrostatic discharge. Therefore, to minimize the risk from electrostatic discharge, follow guidance provided in user manual.

(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.	Date
ASS'Y	001	0	2021. 09. 06



(13)

## SCHEDULE

(14)

**CERTIFICATE No.: KSCP 22ATEX0013X**, Issue:0

AL CASE BOTTOM	002	0	2021. 09. 06
AL CASE TOP	003	0	2021. 09. 06
GLASS	004	0	2021. 09. 06
GLASS NUT	005	0	2021. 09. 06
SENSOR HOUSING ASS'Y-A	006	0	2021. 09. 06
SENSOR HOUSING TOP 1	007	0	2021. 09. 06
SENSOR HOUSING BOTTOM 1	008	0	2021. 09. 06
FILTER HOLDER	009	0	2021. 09. 06
SENSOR HOUSING ASS'Y-B	010	0	2021. 09. 06
SENSOR HOUSING TOP 2	011	0	2021. 09. 06
SENSOR HOUSING BOTTOM 2	012	0	2021. 09. 06
FILTER	013	0	2021. 09. 06
MEMBRANE	014	0	2021. 09. 06
Name Plate	015	0	2021. 09. 06
LCD Plate	016	0	2021. 09. 06
LCD Sticker	017	0	2021. 09. 06
O-Ring	018	0	2021. 09. 06
Circuit diagram	019	0	2021. 09. 06

– User Manual:

Title:	Document No.:	Rev. Level:	Date:
SMART Gas Detector/Transmitter (4~20mA) with built in LCD & explosion proof DA-600	User manual	0.0	2022. 04. 01

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	6 <sup>th</sup> April, 2022	Initial certification

