

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 21ATEX0037X**, Issue: 0

(4) Product: **SMART Gas Detector/Transmitter DA-100**

(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/21/Q00201**

(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 tb IIIC T85°C Db**

Signature
President of the Board



Katowice, 20th December, 2021



SCHEDULE

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(15) Description of Product:

The Smart Gas Detector/Transmitter DA-100 detects combustible or toxic gas leakage and transmits standard electric current output signal 4-20 mA to various controllers such as gas leakage warning device (GMS-1000/1500/2000), PLX, DDC, or MMR for individual or integrated gas monitoring system. The Smart Gas Detector/Transmitter DA-100 comprises two flameproof enclosures separated by a cement compound that allows passage of electrical wiring from the sinter head to the main enclosure. The Gas Detector may incorporate the use of one or two separately certified cable glands.

Rating:

Supply voltage	DC 24 V, (4-20 mA output)
Power	2.88 W
Ingress protection	IP 65
Ambient temperature	- 40 °C ≤ Tamb ≤ + 65 °C

(16) Report Number:

– **KSCP/AR/21/Q00201**

(17) Specific Conditions of Use:

- Potential electrostatic charging hazard - see instructions.
- The device input should be made through the “Ex d” and “Ex t” certified cable glands, which provides ingress protection level of IP6X according to EN 60079-31.

(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	DNADR-DA-100-001	0	2016.01.04
AL Case Bottom	DNADR-DA-100-002	0	2016.01.04
AL Case Upper	DNADR-DA-100-003	0	2016.01.04
Sensor Housing ASS'Y	DNADR-DA-100-004	0	2016.01.04
Sensor Housing T/B	DNADR-DA-100-005	0	2016.01.04



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Filter	DNADR-DA-100-006	0	2016.01.04
Name Plate	DNADR-DA-100-007	1	2021.11.17
Sensor for tb protection	DNADR-DA-100-008	0	2016.01.04

– User Manual:

Title:	Document No.:	Rev. Level:	Date:
SMART Gas Detector/Transmitter(4~20mA) with explosion proof DA - 100	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	20 th December, 2021	Initial certification

