IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.:	IECEx BAS 15.0055X issue No.:0	Certificate history:
Status:	**Current**	
Date of Issue:	**2015-09-02**	Page 1 of 3

Applicant: **Gastron Co. Ltd.**
18-8 Dogeumdanji 1-gil,
Sangrok-gu,
Ansan-si,
Gyeonggi-do,
Korea, Republic of

Electrical Apparatus: **Type GTD-5000F(CT) & GTD-5000F(IR) Gas Detector Units**
Optional accessory:

Type of Protection: **Flameproof**

Marking: **Ex d IIB+H_2 T6* Gb (Ta -20°C to +60°C)**

*** alternative marking of T5 (Ta -20°C to +70°C) is also permitted**

Approved for issue on behalf of the IECEx Certification Body: R S Sinclair

Position: Technical Manager

Signature:
(for printed version)

Date: 2/9/15

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 the Official IECEx Website.

Certificate issued by:

SGS Baseefa Limited
Rockhead Business Park
Staden Lane
Buxton
Derbyshire
SK17 9RZ
United Kingdom

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Manufacturer: **Gastron. Co. Ltd.**
18-8 Dogeumdanji 1-gil
Sangrok-gu
Ansan-si
Gyeonggi-do
Korea, Republic of

Additional Manufacturing location (s):

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 electrical apparatus 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 : 2011 Edition: 6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2007-04 Edition: 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"

*This Certificate **does not** indicate compliance with electrical 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:
CN/CQM/ExTR15.0034/00

Quality Assessment Report:

GB/SIR/QAR08.0021/04

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Type GBT-5000F(CT) & GBT-5000F(IR) Gas Detector Units comprise a cylindrical enclosure cast in aluminium alloy complete with a threaded cover incorporating a glass window.

A gas sampling system is located within the enclosure, including a gas sensor and pump assembly, with sintered flame arrestor plugs at both the gas inlet and gas outlet. The sensor may be a cartridge type unit (CT) or infrared (IR) as shown in the model designation. The unit may also contain a variety of processing and display electronics/PCB's, including options for an alarm relay, a 4-20mA output and an Rs-485 communication signal.

A cable entry hole threaded M20 or M25 (or NPT equivalent) is provided to facilitate electrical connection via a suitable equipment certified flameproof cable entry device.

CONDITIONS OF CERTIFICATION: YES as shown below:

1. Contact the original manufacturer for information on the flameproof joint dimensions, if required during installation, maintenance or repair.

2. This equipment is for use at atmospheric levels of oxygen and pressure only (i.e. ≤ 21% Oxygen v/v, and 80 to 110kPa [0.8 to1.1 bar]). Sample flow control is permitted on the inlet only, with the outlet venting to atmospheric pressure (or lower).