

# CERTIFICATE OF CONFORMITY



1. **HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS**
2. **Certificate No:** FM21CA0020
3. **Equipment:** GTD-2000Tx Toxic Gas Detector  
**(Type Reference and Name)**
4. **Name of Listing Company:** Gastron Co. Ltd.
5. **Address of Listing Company:** 23 Gunpocheomdansaneop 1-ro, Gunpo-si  
Gyeonggi-do 15881  
Korea, Republic of
6. The examination and test results are recorded in confidential report number:  
PR454285 dated 6<sup>th</sup> July 2021
7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:  
CAN/CSA-C22.2 No. 60079-0:2015, CAN/CSA-C22.2 No. 60079-1:2016, ANSI/ISA 92.00.01:R2015  
CAN/CSA C22.2 No. 60529:16:2016
8. If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.
9. This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.
10. **Equipment Ratings:**  
Flameproof for Ex db IIC hazardous locations, indoors and outdoors (IP66) with an ambient temperature rating of -40°C to +80°C.
11. The marking of the equipment shall include:  
Ex db IIC T6...T4 Gb  
Ta = -40°C to +60°C (T6)  
Ta = -40°C to +80°C (T4)  
IP66

**Certificate issued by:**

J.E. Marquedant  
VP, Manager - Electrical Systems

6 July 2021  
Date

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)

**THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE**

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# SCHEDULE

Canadian Certificate Of Conformity No: FM21CA0020

## 12. Description of Equipment:

**General** – Stationary Toxic Gas Detector. Electro-chemical cell model GTD-2000Tx consists of an enclosure, Type GDH-1000 fitted with a Type GSA860Tx Hydrogen Sulfide (H<sub>2</sub>S) gas sensor. The enclosure is fitted with associated circuitry, termination facilities, and a display visible through the enclosure window. Cable entry is by means of the suitably certified cable entry device fitted into the enclosure's threaded aperture. The detector is Flameproof for use in Ex db IIC Gb T6/T4 Ta -40°C to +60°C; Ta -40°C to +80°C; hazardous locations Gas Performance certified for Hydrogen Sulfide gas in air atmospheres.

**Operation Temperature Ranges** – The operating temperature range of the apparatus is -40°C to +80°C with a T-Code of T4, or reduced to -40°C to +60°C with a T-Code of T6.

**Ratings** – The apparatus is supplied with a voltage of 18-31 Vdc.

Model Code:

### **GTD-2000Tx(H<sub>2</sub>S). Toxic Gas Detector**

Specifications – The manufacturer's specifications are as follows:

Range	0 – 100 PPM
Storage Temperature	-40°C to +80°C
Operating Temperature	-40°C to +80°C
Relative Humidity	5 to 95% non-condensing
Voltage	18-31Vdc
Measurement Signal	4-20mA, LCD Display
Calibration	Magnet
Firmware Version	1.44

## 13. Specific Conditions of Use:

N/A

## 14. Test and Assessment Procedure and Conditions:

This Certificate has been issued in accordance with FM Approvals Canadian Certification Scheme.

## 15. Schedule Drawings

A copy of the technical documentation has been kept by FM Approvals.

## 16. Certificate History

Details of the supplements to this certificate are described below:

Date	Description
6 <sup>th</sup> July 2021	Original Issue.

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