

TEST CERTIFICATE

ISSUED BY CSA GROUP TESTING UK LIMITED

PERFORMANCE TESTS ON A GASTRON GIR-3000 FLAMMABLE GAS DETECTOR FOR COMPLIANCE WITH IEC 60079-29-1:2007

This certificate is supplementary to certificate 716222, issued on 25th March 2014

Reason for issue: Customer requested a change of address to be made

(Note, since original test work Sira Test and Certification Limited has changed name to CSA Group Testing UK Limited)

Customer: **Gastron Co. Ltd**
23, Gunpocheomdansaneop 1-ro
Gunpo-Si
Gyeonggi-Do 15881
South Korea.

Model: **GASTRON GIR-3000 FLAMMABLE GAS DETECTOR**

Standard: **IEC 60079-29-1:2007**

Notes

Testing was performed for methane only.

Testing was performed to BS EN 61779-1 and BS EN 61779-4 under report N0569. To upgrade the testing to IEC 60079-29-1 2007, the following supplementary testing was performed:-

Alarm or output functions (4.2.3)

Stand-alone gas detection apparatus for use with separate control units (4.2.7)

Software controlled apparatus (4.2.9) refer to the Farside Technology report cited below.

Labelling and marking (4.3 section a)

Methane pressure test at 1200 mbar (5.4.8)

Power supply variations at the maximum load on the current output at minimum supply voltage and at 100% span (5.4.20)

CSA test report numbers: N0569 (BS EN 61779 series)
N0699 (IEC 60079-29-1 2007)
Farside Technology software report:
006_v1_GIR-3000_Software_EN50271_Assessment_Report.doc dated 22 August 2008.

Samples received on: 01st July 2007 (BS EN 61779 series)
18th November 2013 report N0699 (IEC 60079-29-1 2007)

Tests performed on: 23rd October 2007 to 27th February 2008 (BS EN 61779 series).
17th March to 21st March 2014 report N0699 (IEC 60079-29-1 2007)

This certificate refers to the performance of the test sample when tested against the agreed programme. It does not imply that any other samples or products necessarily comply with the requirements of the test programme.

CSA Group Testing UK Limited being a UKAS accredited Test House in accordance with ISO/IEC 17025 has tested the above Gastron GIR-3000 flammable gas detector and has found it to meet the requirements of all applicable tests to IEC 60079-29-1: 2007.

Date **2nd April 2019**

 **S P CORK**
Technical Manager

This certificate may only be reproduced in its entirety and without change

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