



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

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

Certificate No.: **IECEX ETL 12.0016X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 5 [Issue 4 \(2019-08-23\)](#)
Date of Issue: 2020-01-06 [Issue 3 \(2019-07-08\)](#)
[Issue 2 \(2018-12-20\)](#)
[Issue 1 \(2013-05-17\)](#)
[Issue 0 \(2012-11-09\)](#)

Applicant: **Teledyne Gas Measurement Instruments Ltd.**
Inchinnan Business Park
Renfrew PA4 9RG
Scotland
United Kingdom

Equipment: **Portable Gas Monitor**

Optional accessory:

Type of Protection: **Intrinsic Safety "ia"**

Marking: Ex ia IIC T4 Ga
-50°C ≤ Ta ≤ +50°C (O2)
-40°C ≤ Ta ≤ +50°C (H2S)
-30°C ≤ Ta ≤ +50°C (CO)
IECEX ETL 12.0016X

Approved for issue on behalf of the IECEx
Certification Body:

Kevin J. Wolf

Position:

Certification Officer

Signature:
(for printed version)

Date:

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 www.iecex.com or use of this QR Code.



Certificate issued by:

Intertek
3933 US Route 11 South
Cortland NY 13045-2995
United States of America

intertek



IECEX Certificate of Conformity

Certificate No.: **IECEX ETL 12.0016X**

Page 2 of 4

Date of issue: 2020-01-06

Issue No: 5

Manufacturer: **Seetron Inc.**
201-403,388 Songane-Daero, Wonmi-gu, Buchoen-si,
Gyeonggi-do 14502
Korea, Republic of

Additional
manufacturing
locations:

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 equipment 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 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

This Certificate **does not** indicate compliance with 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 Reports:

[US/ETL/ExTR12.0020/00](#)
[US/ETL/ExTR12.0020/03](#)

[US/ETL/ExTR12.0020/01](#)
[US/ETL/ExTR12.0020/04](#)

[US/ETL/ExTR12.0020/02](#)

Quality Assessment Reports:

[GB/SIR/QAR06.0031/08](#)

[GB/TRC/QAR12.0004/06](#)



IECEx Certificate of Conformity

Certificate No.: **IECEx ETL 12.0016X**

Page 3 of 4

Date of issue: 2020-01-06

Issue No: 5

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The products covered by this report are Protégé ZM, a portable clip-on one (1) gas disposable monitor that is operated with a single button and has a two (2) year life span (typical). The equipment comes with a non-field replaceable lithium-ion battery, filter and sensor preinstalled and ready for use. Gas indication is displayed via a direct reading backlit LCD, multiple bright LEDs, a loud audible alarm and a vibratory alarm. The monitor includes a downloadable data log for twenty-five (25) events and records denoting exposures, calibrations, and gas values.

The personal gas detection monitor is designed for monitoring the atmosphere for potentially hazardous levels of three (3) types of gases: Hydrogen Sulfide (H₂S), Carbon Monoxide (CO) and Oxygen (O₂).

Red Housing Models: 096-3459-01 (CO), 096-3459-02 (H₂S), 096-3459-03 (O₂)

Gray Housing Models: 096-3459-11 (CO), 096-3459-12 (H₂S), 096-3459-13 (O₂)

(Color is only difference between models)

SPECIFIC CONDITIONS OF USE: YES as shown below:

WARNING: THE CAPACITANCE MEASURED ON THE ENCLOSURE'S METAL PARTS EXCEED 3PF (MAXIMUM MEASURED CAPACITANCE WAS 4.4PF). THE USER SHALL DETERMINE THE SUITABILITY OF THE EQUIPMENT IN THE END APPLICATION AND SHALL TAKE THE NECESSARY PRECAUTIONS IN THE USE OF THIS EQUIPMENT. FAILURE TO DO SO MAY RESULT IN SERIOUS INJURY OR DEATH.



IECEx Certificate of Conformity

Certificate No.: **IECEx ETL 12.0016X**

Page 4 of 4

Date of issue: 2020-01-06

Issue No: 5

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
See appendix at the end of this certificate.

Annex:

[104145003CRT-003c - Annex Issue 5.pdf](#)



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Certificate No:	IEC Ex ETL 12.0016X	Issue No. 5
Annex No. 5		

Details of Change, IECEx ETL 12.0016X Issue 5

- Company name change from Scott Safety, A Division of Scott Technologies Inc. to Teledyne Gas Measurement Instruments Ltd
- Updated drawing 096-3465-EX from Rev G to Rev H due to the company name change.
- Updated drawing 087-0047 from Rev E to Rev G and removed the 3M prefix due to the company name change.
- Updated drawing 016-1013-R from Rev F to Rev G due to the company name change.

Manufacturer's documents

Documents associated with Issue 2 of this certificate

Title:	Drawing No.:	Rev. Level:	Date:
*PROTÉGÉ ZM USER GUIDE	087-0047	G	December 2019
SERIAL NUMBER LABEL, NON CE	016-1118-R	A	08/24/2018
APPROVALS LABEL, NON ATEX	016-1119-R	A	08/24/2018
*SERIAL NUMBER LABEL	016-1013-R	G	11/04/2019
APPROVALS LABEL	016-1014-R	F	07/18/2018
*PROTEGE ZM SCHEDULE DRAWING, 096-3465-EX	096-3465-EX	H	11/28/2019
PROTEGE ZM H2S BOARD ASSEMBLY	8007292	B	07/02/2019
PROTEGE ZM CO BOARD ASSEMBLY	8007293	B	07/02/2019
PROTEGE ZM O2 BOARD ASSEMBLY	8007294	C	07/02/2019
SCHEMATIC PROTEGE ZM	8007295	B	06/26/2016

*Note: An * is included before the title of documents that are new or revised.*

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