



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 QPS 16.0014X

Issue No: 1

Certificate history:

Issue No. 1 (2017-07-28)

Issue No. 0 (2016-12-20)

Status: **Current**

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Date of Issue: **2017-07-28**

Applicant: **Galvanic Applied Sciences Inc.**
7000 Fisher Rd SE
Calgary, AB
T2H 0W3
Canada

Equipment: **Colorimetric Analyzer**

Optional accessory:

Type of Protection: **nA nC**

Marking:
IECEX QPS 16.0014X
Ex nA nC IIB+H₂ T3 or T4 Gc
Ta=-20°C to +60°C

*Approved for issue on behalf of the IECEx
Certification Body:*

D, Adams, P.Eng.

Position:

Manager, Hazardous Locations Department [Ex Equipment]

*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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

QPS
Evaluation Services Inc.
81 Kelfield St
Unit 8
Toronto, Ontario M9W 5A3
Canada





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Manufacturer: **Galvanic Applied Sciences Inc.**
7000 Fisher Rd SE
Calgary, AB
T2H 0W3
Canada

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 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-15 : 2010 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
Edition:4

*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:

[CA/QPS/ExTR16.0014/00](#)

[CA/QPS/ExTR16.0014/01](#)

Quality Assessment Report:

[GB/ITS/QAR14.0026/01](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

AccuColor/AccuSense Analyzer is an inline process analyzer that performs chemical analysis of liquid samples using dual wavelength colorimetry.

The analyzer consists of two main parts, the top electronics enclosure and the bottom analyzer enclosure. The top electronics enclosure contains the following main parts:

1. Motherboard
2. Power Supply
3. HMI
4. photonics module

And the bottom electronics enclosure contains the following main parts:

5. Fluidics Board
6. Solenoids

Ratings:

100-240 Vac, 50/60 Hz, 300W

24Vdc, 300W

Models:

Model Name	Model Code	T Rating
AccuColor	ACMT3	T3
AccuColor	ACTT3	T3
AccuSense	APTT3	T3
AccuSense	AISET3	T3
AccuColor	ACMT3	T4
AccyColor	ACTT3	T4
AccuSense	APTT3	T4
AccuSense	AISET3	T4

SPECIFIC CONDITIONS OF USE: YES as shown below:



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1. To be installed in an area providing a degree of protection of a minimum IP 54
2. Installation shall provide mechanical protection from impact hazards



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 0: Original

Issue 1: change to solenoid part number and revised Temperature Class marking to T4. Clarification of Model Code. Addition of 24Vdc option