



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 CSA 04.0003X** Issue No.: **0**

Status: **Current**

Date of Issue: **2004-09-20** Page 1 of 3

Applicant: **BW Technologies Ltd.**
2840 - 2nd Avenue S.E.
Calgary, Alberta
T2A 7X9
Canada

Electrical Apparatus: **"The Sampler" Gas Sample Draw Pump**

Optional accessory:

Type of Protection: **Intrinsic Safety**

Marking: **IECEx CSA 04.0003X**
Ex ia IIC
Temp Code: Alkaline 163°C, NiMh 212°C
-20°C ≤ Ta ≤ +50°C

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

Position:

Director, Conformity Assessment

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:

CSA International
178 Rexdale Boulevard
Toronto, Ontario M9W 1R3
Canada
and
1707 - 94th Street
Edmonton, AB T6N 1E6
Canada





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Manufacturer: **BW Technologies Ltd.**
2840 - 2nd Avenue S.E.
Calgary, Alberta
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Canada

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 : 2000 Edition: 3.1	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-11 : 1999 Edition: 4	Electrical apparatus for explosive gas atmospheres - Part 11: Intrinsic safety 'i'

*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

IECEx ATR:
CA/CSA/04/TR157918-1547212

File Reference:
157918-1547212



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Sampler, Model Code GA-SP01 is an intrinsically safe hand-held sampling pump with rigid probe and sample tubing for drawing gas samples to an instrument such as a portable gas detector.

Ingress Protection index, IP40.

Power is provided by two AA Batteries which determine temperature rating as shown below:

Alkaline (163°C)

NiMh rechargeable (212°C)

Duracell MN 1500,
Energizer E91

Quest Platinum HGAAC1800G, Quest HG1600AAC, Energizer
NH15, Maha Powerex 1700mAh MH-AA170, Maha Powerex
1800mAh MH-AA180, Yuasa Delta 1300mAh DHA1400AA, Yuasa
Delta 1500mAh DHA1600AAC, Uniross 1300mAh, Uniross 1700mAh

CONDITIONS OF CERTIFICATION: YES as shown below:

The following are noted on the product in addition to Marking information:

WARNING: BATTERIES MUST ONLY BE CHANGED IN NON-HAZARDOUS AREA.

USE APPROVED 1.5V AA BATTERIES ONLY. SEE MANUAL FOR APPROVED LISTING.

Annexe: