

Certificate of Compliance

Certificate: 1399907 (LR 80259)

Master Contract: 157918

Project: 1482257 (Edition 2)


Date Issued: October 9, 2003

Issued to: **BW Technologies Limited**
2840 - 2nd Avenue SE
Calgary, AB
CANADA

*The products listed below are eligible to bear the CSA Mark shown
with adjacent indicators 'C' and 'US'*



Issued by:  Patrick Conway C.E.T.

Authorized by:  Patricia Pasemko
Operations Manager

CLASS

- 4818-03 SIGNAL APPLIANCES – Miscellaneous – For Hazardous Locations
- 4818-83 SIGNAL APPLIANCES - Miscellaneous – For Hazardous Locations - Certified to US Standards

PRODUCTS

Class I, Division 1, Groups A, B, C and D

Portable gas sample draw pump model "The Sampler". Temperature Code 163°C or 212°C dependant on battery type installed; Ambient Temperature Range: -20°C to 50°C. Intrinsically Safe when powered by one of the following AA Size Batteries

Alkaline (T-Code 163°C)

Duracell MN1500
Energizer E91

NiMH rechargeable (T-Code 212°C)

Quest Platinum HGAAC1800G, Quest IIG1600AACS, Energizer NH15
Maha Powerex 1700mAh MH-AA170, Maha Powerex 1800mAh MH-AA180
Yuasa Delta 1300mAh DHA1400AA, Yuasa Delta 1500mAh DHA1600AAC
Uniross 1300mAh, Uniross 1700mAh

The 'C' and 'US' indicators adjacent to the CSA Mark signify that the product has been evaluated to the applicable CSA and ANSI/UL Standards, for use in Canada and the U.S., respectively. This 'US' indicator includes products eligible to bear the 'NRTL' indicator. NRTL, i.e. National Recognized Testing Laboratory, is a designation granted by the U.S. Occupational Safety and Health Administration (OSHA) to laboratories which have been recognized to perform certification to U.S. Standards.

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APPLICABLE REQUIREMENTS

- | | | |
|-------------------------------|---|---|
| CSA Standard C22.2 No 0-M1991 | - | General Requirements - Canadian Electrical Code Part II. |
| 157-M1992 | - | Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations. |
| 1010.1-92 | - | Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use. Part 1: General Requirements. |
| CAN/CSA E60079-0:00 | - | Electrical apparatus for explosive gas atmospheres – Part 0: General Requirements |
| CAN/CSA E60079-11:01 | - | Electrical apparatus for explosive gas atmospheres – Part 11: Intrinsic safety “i” |
| UL 913, Fifth Edition | - | Intrinsically Safe Apparatus and Associated Apparatus for use in Class I, II, III, Division 1, Hazardous (Classified) Locations |
| UL61010B-1 | - | Electrical Measuring and Test Equipment; Part 1: General Requirements |

CONDITIONS OF ACCEPTABILITY

The above model is classified as Equipment Class III and was evaluated as Pollution Degree 2, Installation Category I per CSA Std. 1010.1



Supplement to Certificate of Compliance

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*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
1399907	February 14, 2003	Original Certification of Portable gas sample draw pump model "The Sampler".
1482257	October 09, 2003	Update to 1399907 to include alternate plastic for enclosure.