

# Certificate of Compliance

Certificate: 1509918

Master Contract: 223256

Project: 1509918

Date Issued: 2004/04/19

Issued to: Pioneer Petrotech Service Inc.

602 Edgebank PL NW  
Calgary, Alberta T3A 4V7  
Canada  
Attention: Jack Pang

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



Issued by:

  
Tho Nguyen

Authorized by: Patricia Pasemko, Operations Manager

## **PRODUCTS**

**CLASS 2258 03** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non Incendive Systems - For Hazardous

**CLASS 2258 83** - PROCESS CONTROL EQUIPMENT-Intrinsically Safe and Non-Incendive - Systems-For Hazardous Locations-Certified to U.S. Standards

Class I, Division 1, Groups A, B, C and D T4

Class I, Zone 0 AEx ia IIC T4

Well Head Pressure Logger, Model: PPS31, Battery Operated (Two 3.6V cells in parallel listed below); Intrinsically safe; Temperature Code T4; Ambient temperature -40°C to +55°C.

Battery Type Manufacturer Part No. Voltage

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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Lithium D size Tadiran TL-2300 3.6V.

**APPLICABLE REQUIREMENTS**

CSA Standard C22.2 No 0-M1991 - General Requirements - Canadian Electrical Code Part II.

0.4-M1982 - Bonding and Grounding of Electrical Equipment (Protective Grounding).

142-M1987 - Process Control Equipment.

157-M1992 - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations.

UL Standards 508, 7th Edition - Industrial Control Equipment.

913, Fifth Edition - Intrinsically Safe Apparatus and Associated Apparatus for use in Class I, II, III, Division 1, Hazardous (Classified) Locations.

E60079-0, 3.1th Edition: 2000-06 - Electrical apparatus for explosive gas atmospheres – Part 0: General requirements

E60079-11, 4th Edition: 1999-02 - Electrical apparatus for explosive gas atmospheres – Part 11: Intrinsically Safe “i”



## *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**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
1509918	2004/04/19	Original Certification of Model: PPS31 as Intrinsically Safe.