



The Revolution  
Begins Here

## vbOnline® Data Collector Instrument Hazardous Area Certification Class I, Division 2



- **Class I, Division 2, Groups A, B, C, D** certification has been granted by the Canadian Standards Association for CSA labeled variants of the vbOnline permanently mounted data collector instrument. See attached certificate for details.

### Notes

1. **ONLY** instruments bearing the CSA logo and Hazardous Area information are certified. vbOnline instruments without the CSA logo are **NOT CERTIFIED**.
2. The vbOnline instrument must be installed according to control drawing CIL2002VBO.
3. The use of non-certified sensors and/or accessories **WILL VOID** instrument Class I, Division 2 CSA certification.
4. When installed as above, Zener Safety Barriers and **NOT** required, and if needed the vbOnline instrument may be situated within the hazardous area.

The Revolution



# Certificate of Compliance

Certificate: 1717493

Master Contract: 231796

Project: 1717493

Date Issued: 2006/02/06

Issued to: **Commtest Instrumens Ltd**  
28 B Moorhouse Ave  
Christchurch, 8001  
New Zealand  
Attention: Mr. John Cochrane

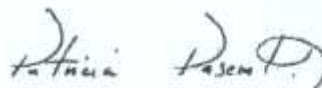
*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US'*



Issued by:

  
Dorin Stochitoiu, P.Eng

Authorized by: Patricia Pasemko, Operations Manager



## PRODUCTS

- CLASS 2258 03** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non - Incendive Systems - For Hazardous Locations
- CLASS 2258 83** - PROCESS CONTROL EQUIPMENT-Intrinsically Safe and Non-Incendive - Systems-For Hazardous Locations-Certified to U.S. Standards

Class I, Division 2, Groups A, B, C and D;

VB Online CID2 data collector, input rated 12 to 24Vdc, 250 mA maximum, with four relays outputs rated 250Vac/30Vdc, 5A maximum and extra-low voltage input/output signal circuitry for user connection, provides

The 'C' and 'US' indicators adjacent to the CSA Mark signify that the product has been evaluated to the applicable CSA and ANSEUL 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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non-incendive circuits when installed per control drawing CIL2002VBO Maximum ambient temperature 60°C, Temperature Code T4.

**Notes:**

1. VB Online CID2 is certified as open type component and shall be completely enclosed in a suitable, grounded enclosure where the final combination shall be accepted by local authority having jurisdiction.
2. The relay outputs may be connected to different phases only for voltages up to 125Vac. For voltages above 125Vac the relays shall be connected to same phase circuit only.

**APPLICABLE REQUIREMENTS**

CSA Std C22.2 No. 213-M1987 - Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations

CSA Std C22.2 No. 142-M1987 - Process Control Equipment

UL Std No. 1604 - Electrical Equipment for Use in Class I and II, Division 2; Class III Hazardous (Classified) Locations

UL Std No. 916 - Energy Management Equipment

**MARKINGS**

- CSA Monogram with C-US indicator
- Company name
- Product name
- Serial number
- Electrical ratings
- Hazardous location designation
- Maximum ambient temperature
- Temperature Code T4
- Reference to installation drawing
- Warning re. do not disconnect in division 2 hazardous area ...



### Supplement to Certificate of Compliance

Certificate: 1717493

Master Contract: 231796

*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
1717493	2006/02/06	Original Certification