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**cCSAus certificate:**

EN

**1514309**

**for IQS 4xx and TQ 4xx**

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<b>Certificate:</b> 1514309 (LR 62075-5)	<b>Master Contract:</b> 175074
<b>Project:</b> 2497294	<b>Date Issued:</b> April 10, 2012

 **CSA INTERNATIONAL**

*Note - Jurisdictions in Canada may require these markings to also be provided in French language. It is the responsibility of the manufacturer to provide bilingual markings, where applicable, in accordance with the requirements of the Provincial Regulatory Authorities. It is the responsibility of the manufacturer to determine this requirement and have bilingual wording added to the "Markings".*

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**APPLICABLE REQUIREMENTS**

For Parts A, B1, B2 and C:  
CSA Std. C22.2 No. 157-92 (R 2012)

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

CSA Std. C22.2 No. 142-M1987 (R 2009)  
CSA Std. C22.2 No. 213-M1987 (R 2008)

Process Control Equipment  
Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations

For Parts B1 and B2:  
UL913 Ed.2007 (Rev.2012)

Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous (Classified) Locations Electrical Equipment For Measurement, Control, and Laboratory Use; Part 1: General Requirements

UL61010-1 Ed.2004

**MARKINGS**

Markings shall be as follows:

Part A:  
VIBRO-METER  
CSA monogram  
Type SP 111  
Serial No  
Ex ia  
Ref to Dwg PZ6438 or PZ6439


Part B-1:  
VIBRO-METER  
CSA Monogram  
Model IQS 4XX / TQ 4YY  
Serial number  
28 Vdc - 100 mA  
Intrinsically safe / Securite intrinseque  
Ex ia  
Class I, Division 1 and 2, Groups A, B, C and D

Part B-2:  
Class I, Division 2 groups A, B, C and D  
\* For non encapsulated boards:

Part C:  
VIBRO-METER  
CSA Monogram  
Type GSI 123  
Serial number

24 V-100 mA  
Associated equipment [Ex ia]  
WARNING: substitution of components may impair intrinsic safety  
AVERTISSEMENT : la substitution de composants peut compromettre la securite intrinseque  
V oc = 26 V, I sc = 68 mA, C a = 30 nF, L a = 1 mH

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CSA INTERNATIONAL

**Supplement to Certificate of Compliance**

Master Contract: 175074

**Certificate:** 1514309 (LR 62075-5)

*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
2497294	April 10, 2012	Update to report 1514309 to add one zener diodes in the existing circuits on the TQ4xx/IQS4xx.
2409760	April 7, 2011	Update to report 1514309 to change the legal entity name
1998676	September 28, 2007	Update to report 1648967 to include new version of IQS4 for Class I, Division 2 (without compound).
1648967	April 12, 2005	Update to report 1514309 to add a new compound reference to IQS4XX.
1514309	January 12, 2004	Update to report LR 62075-5 to modify documentation and entity parameters of models IQS4XX ITQ4YY.
LR62075	5 June 4, 1997	Original CSA certification for models SP 111, GSI 123 and IQS4XX ITQ4YY.

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