



# 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](http://www.iecex.com)

Certificate No.: **IECEX CSA 07.0001** Issue No.: **0**

Status: **Current**

Date of Issue: **2007-02-08** Page **1** of **3**

Applicant: **Connection Technology Center, Inc**  
590 Fishers Station Drive  
Victor, New York, USA 14564  
**United States of America**

Electrical Apparatus: **Vibration Sensors, Series AC9xx-xxxxx-x, LP8xx-xx-xxx and LP9xx-xx-xxx (Refer to Schedule)**

*Optional accessory:*

Type of Protection: **Ex ia**

Marking: **IECEX CSA07.0001**  
**Ex ia IIC**  
**T3 (Tamb = -54°C to +125°C) for AC9xx Series**  
**T4 (Tamb = -40°C to +80°C) for LP8xx and LP9xx Series**  
**Ui = 28VDC**  
**Ii = 100mA**  
**Ci = 70nF**  
**Li = 51µH**

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

Davey Li

*Position:*

Technical Manager

*Signature:*  
*(for printed version)*

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*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: **Connection Technology Center, Inc**  
590 Fishers Station Drive  
Victor, New York, USA 14564  
**United States of America**

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

*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*

Test Report:

[CA/CSA/ExTR07.0004/00](#)

Quality Assessment Report:

[CA/CSA/QAR06.0012/00](#)



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## Schedule

**EQUIPMENT:**

*Equipment and systems covered by this certificate are as follows:*

Ex ia IIC T3 (AC9xx Series); T4 (LP8xx & LP9xx Series)  
Ambient Temperature Range: -54°C to +125°C (AC9xx Series) -40°C to +80°C (LP8xx & LP9xx Series)

**AC Series Model Breakdown**

Part Number	Description	Remarks
AC901-1A	10mV/g, IS, top exit, 2 pin connector	
AC901-2A/XXX-Y	10mV/g, IS, top exit, integral cable	Max length 200ft
AC901-3A/XXX-Y	10mV/g, IS, top exit, armor jacket integral cable	Max length 200ft
AC902-1A	10mV/g, IS, side exit, 2 pin connector	
AC902-2A/XXX-Y	10mV/g, IS, side exit, integral cable	Max length 200ft
AC902-3A/XXX-Y	10mV/g, IS, side exit, armor jacket integral cable	Max length 200ft
AC903-1A	50mV/g, IS, top exit, 2 pin connector	
AC903-2A/XXX-Y	50mV/g, IS, top exit, integral cable	Max length 200ft
AC903-3A/XXX-Y	50mV/g, IS, top exit, armor jacket integral cable	Max length 200ft
AC904-1A	50mV/g, IS, side exit, 2 pin connector	
AC904-2A/XXX-Y	50mV/g, IS, side exit, integral cable	Max length 200ft
AC904-3A/XXX-Y	50mV/g, IS, side exit, armor jacket integral cable	Max length 200ft
AC905-1A	100mV/g, IS, top exit, 2 pin connector	
AC905-2A/XXX-Y	100mV/g, IS, top exit, integral cable	Max length 200ft
AC905-3A/XXX-Y	100mV/g, IS, top exit, armor jacket integral cable	Max length 200ft
AC906-1A	100mV/g, IS, side exit, 2 pin connector	
AC906-2A/XXX-Y	100mV/g, IS, side exit, integral cable	Max length 200ft
AC906-3A/XXX-Y	100mV/g, IS, side exit, armor jacket integral cable	Max length 200ft

**LP Series Model Breakdown**

Part Number	Description	Remarks
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LP802-1A-XYZ	Velocity Output, IS, top exit, 2 pin connector	
LP802-2A-XYZ/LLL-C	Velocity Output, IS, top exit, integral cable	Max length 200ft
LP802-3A-XYZ/LLL-C	Velocity Output, IS, top exit, integral cable, armored jacket	Max length 200ft
LP804-1A-XYZ	Velocity Output, IS, side exit, 2 pin connector	
LP804-2A-XYZ/LLL-C	Velocity Output, IS, side exit, integral cable	Max length 200ft
LP804-3A-XYZ/LLL-C	Velocity Output, IS, side exit, integral cable, armored jacket	Max length 200ft
LP902-1A-XYZ	Acceleration Output, IS, top exit, 2 pin connector	
LP902-2A-XYZ/LLL-C	Acceleration Output, IS, top exit, integral cable	Max length 200ft
LP902-3A-XYZ/LLL-C	Acceleration Output, IS, top exit, integral cable, armored jacket	Max length 200ft
LP904-1A-XYZ	Acceleration Output, IS, side exit, 2 pin connector	
LP904-2A-XYZ/LLL-C	Acceleration Output, IS, side exit, integral cable	Max length 200ft
LP904-3A-XYZ/LLL-C	Acceleration Output, IS, side exit, integral cable, armored jacket	Max length 200ft

**Legend**

X – Measurement Range	0 – 9	User defined
Y – Range Type	R or P	RMS or Peak
Z – Frequency Range	1 – 99	User defined
LLL	Cable Length	Maximum length 2000ft
C	Connector Type	

**CONDITIONS OF CERTIFICATION: NO**

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<b>&gt; ExTR :</b>	
ExTR Reference Number: (automatic numbering)	CA/CSA/ExTR07.0004/00
ExTR Free Reference Number:	CA/CSA/07/TR221421-1813811
Date of Issue:	2007-02-08
List of Standards Covered:	IEC 60079-0 (Ed.3.1); IEC 60079-11 (Ed.4)
Issuing ExTL:	CSA - CSA International
Endorsing ExCB:	CSA International
Country of Manufacture:	United States of America
Manufacturer:	Connection Technology Center, Inc. 590 Fishers Station Drive Victor, New York, U.S.A. 14564
Ex Protection:	Ex ia IIC AC9xx Series: T3; Tamb=-54C to +125C LP8xx/LP9xx: T4; Tamb=-40C to +80C
Product:	Vibration Sensors
Model Reference:	Series AC9xx-xxxxx-x, LP8xx-xx-xxx and LP9xx-xx-xxx Complete model nomenclature in ExTR and Schedule of IECEX CSA07.0001/00
Comments:	Related IEC Certificate: IECEX CSA07.0001/00

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