



420-0004-339		Sht. of	1 4	APP'D BY	SGA
ISSUE	EDO NO.	APP'D	DATE		
1	9-06-100	SGA	10/11/06		
2	3-07-115	JAB	3/15/07		

Certificate of Compliance

Certificate: 1769312

Master Contract: 150916

Project: 1879712

Date Issued: 2007/02/09

Issued to: **AMETEK Drexelbrook**
205 Keith Valley Rd
Horsham, PA 19044
USA
Attention: Thomas Pacenski

The products listed below are eligible to bear the CSA Mark shown



Issued by: Dorin Stochitoui, P.Eng

Authorized by: Patricia Pasemko, Operations Manager

PRODUCTS

CLASS 2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

CLASS 2258 04

Class I, Division 1, Groups A, B, C and D, Class II, Groups E, F and G, Class III

Ex ia IIC T4

USS series sensor, intrinsically safe with entity parameters V_{max} , $U_i=30V$, I_{max} , $I_i=150mA$, $P_i=1W$, $C_i=0nF$, $L_i=0mH$, connected per installation drawing 420-0004-309-CD, Ambient Temperature Range $-40^{\circ}C$ to $+70^{\circ}C$,

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Certificate: 1769312**Master Contract:** 150916**Project:** 1879712**Date Issued:** 2007/02/09

Temperature Code T4, Enclosure Type 4, 4X, IP68

Associated Device for Class I, Division 1, Groups A, B, C and D, Class II, Groups E, F and G, Class III

Ex [ia] IIC T4

USonic R Series Receiver, input rated 120Vac/240, 60Hz, 120Vac/55 mA or 24Vdc/330 mA, provides intrinsically safe outputs when connected per installation drawing 420-0004-309-CD, Ambient Temperature Range -40°C to +70°C, Temperature Code T4, Enclosure Type 4, 4X, IP65

CLASS 2258 02

Class I, Division 2, Groups A, B, C and D, Class II, Groups E, F and G, Class III

Ex nC IIC

Usonic R series level measurement system consisting of USonic R series Receiver, input rated 120Vac/240Vac, 60Hz, 120Vac/55 mA or 24Vdc/330 mA connected per installation drawing 420-0004-309-CD to USS series sensors, Ambient Temperature Range -40°C to +70°C, Temperature Code T4, Enclosure Type 4, 4X, and IP65 (receiver), IP 68 (sensor)

APPLICABLE REQUIREMENTS

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

CSA C22.2 No. 157-M1992 - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations.

CSA C22.2 No. 25-M1987 - Enclosures for Use in Class II, Groups E, F and G Hazardous Locations

CAN/CSA-C22.2 No. 94-M1991 - Special Purpose Enclosures

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

CAN/CSA E60079-11:02 - Electrical Apparatus for Explosive Gas Atmospheres - Part 11: Intrinsic Safety "i"

CAN/CSA E60079-15:02 - Electrical Apparatus for Explosive Gas Atmospheres - Part 15: Type of protection "n"

CAN/CSA C22.2 No. 60529:05 - Degrees of Protection provided by Enclosures (IP Code)

MARKINGS

- CSA Monogram

- Company name

- Model name / number



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- Serial number / Date of manufacturing
- Electrical and enclosure ratings
- Hazardous Location Designations and Temperature Code
- Entity Parameters on sensor
- Associated Device and Ex nC IIC T4 and Ex [ia] IIC for Receiver
- IS and Ex ia IIC T4 for Sensor
- CSA certificate number
- Reference to installation drawing
- Ambient temperature range
- Temperature code T4
- Caution re. substitution of components
- Caution re. do not disconnect in hazardous area



Supplement to Certificate of Compliance

Certificate: 1769312

Master Contract: 150916

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
1879712	2007/02/09	Update to cover minor product revision
1769312	2006/08/09	Original Certification