

Certificate of Compliance

Certificate: 1451790

Master Contract: 208783

Project: 1451790

Date Issued: March 28, 2003

Issued to: KROHNE Altometer
Kerkeplaat 12
3313 LC Dordrecht
THE NETHERLANDS

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



Authorized by: G. Foulem

PRODUCTS

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

Class I, Zone 1, Ex d IIC T6 or Ex de IIC T6 for the converter and
Class I, Zone 1, Ex de IIC T6...T3 for the sensor or Ex de IIC T6...T1 for the high temperature sensor.

Altosonic gas flowmeter system

The Altosonic gas flowmeter system consist of an,

-ultrasonic gas flow sensor GFS 700 F-Ex CSA Z1 or GFS 700 F/HT-Ex CSA Z1 (high temperature version) in combination with,

-the ultrasonic gas flow converter GFC 700 F-Ex CSA Z1.

The GFC 700 F-Ex CSA Z1 ultrasonic gas flow converter is powered by a voltage of 100...240Vac/48..63 Hz or 24 V AC/DC. The power dissipated is less than 13 VA or 8 Watts.

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APPLICABLE REQUIREMENTS

- CAN/CSA-E79-0-95 - Electrical apparatus for explosive gas atmosphere- General Requirements
- CAN/CSA-E79-1-95 - Electrical apparatus for explosive gas atmospheres - Construction and Verification test of flameproof enclosures of electrical apparatus.
- CAN/CSA-E79-1-95 - Electrical apparatus for explosive gas atmospheres - Construction and Verification test of Increased safety enclosures of electrical apparatus.
- CAN/CSA-C22.2 No. 1010.1-92 - Safety requirements for electrical equipment for measurement, control and laboratory use.
- C22-1-98 - Canadian Electrical Code, Part I
- IEC 529 - Degrees of protection provided by enclosure (IP Code)



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

Project	Date	Description
1451790	March 28, 2003	Original CSA Certification for Altosonic gas flowmeter system, consisting of an ultrasonic gas flow sensor GFS 700 F-Ex CSA Z1 or GFS 700 F/HT-Ex CSA Z1 (high-temperature version) and the ultrasonic gas flow converter GFC 700 F-Ex CSA Z1.