



Certificate of Compliance

Certificate: 2156089

Master Contract: 152439

Project: 70004619

Date Issued: 21 May 2014

Issued to: Mercury Instruments Incorporated
3940 Virginia Ave
Cincinnati, OH 45227
USA
Attention: Ralf Both

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only



Issued by: James May
James May

PRODUCTS

CLASS – 2258 02 – PROCESS CONTROL EQUIPMENT – For Hazardous Locations

CLASS – 2258 82 – PROCESS CONTROL EQUIPMENT – For Hazardous Locations – Certified to US Standards

Class I, Division 1, Groups B, C and D:

Ultrasonic Flowmeter Model USM-GT-400 with transducers TNG 10-CP, 20-SP and 20-LP (Operating pressure \leq 150 bar / 2175 psi) or 10-CHP, 20-SHP and 20-LHP (Operating pressure \leq 300 bar / 4351 psi). Sizes DN80 (3") to DN1000 (40"). Input rated 24Vdc max, 0.5A, 12.0W, Class-2 circuits only; -40°C to +40/55 ambient, temperature code rating T6/T5. Process temperature \leq 80°C.

Conditions of Acceptability

- i. For Canadian installation, to reduce the risk of ignition of hazardous atmospheres, conduit must be sealed at the enclosure.
- ii. For US installation, to reduce the risk of ignition of hazardous atmospheres, conduit runs must have a sealing fitting connected within 18 inches of the enclosure.



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
70004619	21 May 2014	Replacement of older models with the USM- GT-400 Range.
2302699	Dec 21, 2010	Update Report 2156089 to include increased process temperature of 80C & increased sensor tubing length.
2156089	Sep 21, 2009	Ultra Sonic Meter USE09-C-LT-NEC for Explosion-proof Class I, Div 1, Groups C and D.



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APPLICABLE REQUIREMENTS

- | | | |
|--|---|--|
| CAN/CSA-C22.2 No. 0-M91 | - | General Requirements – Canadian Electrical Code, Part II |
| CSA C22.2 No. 30-M1986 | - | Explosion-Proof Enclosures for Use in Class I Hazardous Locations |
| CSA C22.2 No. 142-M1987 | - | Process Control Equipment |
| UL 916 (4 th Ed.) December 2007 | - | Energy Management Equipment |
| UL 1203 (4 th Ed.) September 2006 | - | Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations |