



Certificate of Compliance

Certificate: 2156089

Master Contract: 261288

Project: 70191602

Date Issued: January 9, 2019

Issued to: RMG Messtechnik GmbH
Otto-Hahn-Straße 5
Butzbach, 35510
Germany

Attention: Andreas Weigand

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:


Rob Oldfield

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.



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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

MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

Enclosure (main nameplate) - required marking information is as shown below and are laser etched onto a metallic plate having a minimum thickness of 0.02 in, which is secured to the enclosure by screws or rivets:

- CSA Monogram with adjacent indicators C and US;
- Company name (RMG Messtechnik GmbH);
- Model number;
- Serial number or date code;
- Electrical rating;
- Hazardous location designation;
- Temperature code rating;
- Minimum and maximum ambient;
- Maximum working Pressure (MWP);
- Conditions of Acceptability in accordance with the product section of this report.
- Caution: "Do not opening the electronic housing cover under electrical voltage when and explosive gas atmosphere is present. Wait at least 1 minute after switch off before opening the case."

Note: Nameplate drawing 064892.4 is for company RMG Messtechnik GmbH, of which Mercury Instruments are a subsidiary, and includes a CSA MC/File number.

Transducer housings are to be marked with a serial number allowing them to be linked with the transducer housing type.