



# Certificate of Compliance

**Certificate:** 2726560

**Master Contract:** 260953

**Project:** 2726560

**Date Issued:** June 4, 2014

**Issued to:** Measurement Technology Limited  
Great Marlings  
Butterfield, Luton,  
Bedfordshire LU2 8DL  
UNITED KINGDOM  
**Attention:** Mr. Peter Rigling

*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:** Rachel Miranda  
Rachel Miranda

## **PRODUCTS**

**CLASS 2258 04** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe Entity - For Hazardous Locations  
**CLASS 2258 84** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe Entity - For Hazardous Locations - Certified to US Standards

**Class I, II, III, Division 1, Groups A to G**  
**Ex ia IIC**  
**Class I, Zone 0 AEx ia IIC T4**

Indicators model series MTL661, 662, 663 and Model Series MTL665; 4 ... 20 mA loop powered for panel mounting (MTL662, 665) or field mounting (MTL661, 663) applications. Intrinsically safe when installed as per Control Drawing reference CD1106.01.

Type -XI is for connection in series with an intrinsically safe circuit. The indicators may optionally be provided with a backlight. (MTL66xB models.)

The indicator enclosure ensures a degree of protection of at least IP65 in accordance with CAN/CSA 60529 and ANSI/IEC 60529.

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Ambient Temperature Range -30°C to 70°C; intrinsically safe with entity parameters as described below:

| Terminal No.<br>Input circuits                              | Safety parameter  |
|---|---|
| 4 and 5<br>Power Supply                                     | $U_i (V_{max}) = 30 \text{ V}$<br>$I_i (I_{max}) = 0.200 \text{ A}$<br>$P_i = 1.2 \text{ W}$<br>$L_i = 0 \text{ mH}$<br>$C_i = 0 \text{ nF}$  |
| 9 and 10<br>Backlight<br>Separated from<br>input<br>circuit | $U_i (V_{max}) = 28 \text{ V}$<br>$I_i (I_{max}) = 0.200 \text{ A}$<br>$P_i = 0.96 \text{ W}$<br>$L_i = 0 \text{ mH}$<br>$C_i = 0 \text{ nF}$ |

### **APPLICABLE REQUIREMENTS**

|                                       |   |
|---------------------------------------|---|
| CSA C22.2 No. 0-M91 -                 | General Requirements - Canadian Electrical Code, Part II      |
| CAN/CSA C22.2 No. 142:M1987 (R2009) - | Process Control Equipments                                    |
| CSA C22.2 No. 157:M1992 -             | Intrinsically Safe and Non-Incendive Equipment for Use in     |
| Hazardous Locations                   |   |
| CAN/CSA C22.2 No 60079-0:11 -         | Electrical Apparatus for Explosive Gas Atmospheres - Part 0:  |
|                                       | General Requirements  |
| CAN/CSA C22.2 No 60079-11:11 -        | Electrical Apparatus for Explosive Gas Atmospheres - Part 11: |
|                                       | Intrinsic Safety "i"  |
| CAN/CSA-C22.2 NO. 60529: 05 -         | Degrees of protection provided by enclosures (IP Code)        |
| ANSI/ISA 60079-0 (12.00.01): 2009 -   | Explosive atmospheres – Part 0: Equipment – General           |
|                                       | Requirements - 12.00.01                                       |
| ANSI/ISA 60079-11 (12.02.01): 2009 -  | Explosive Atmospheres – Part 11: Equipment protection by      |
|                                       | intrinsic safety “i” - 12.02.01                               |
| ANSI/IEC 60529:2004 -                 | Degrees of protection provided by enclosures (IP Code)        |
| UL 916: 2007 -                        | Energy Management Equipment.                                  |

### **MARKINGS**

#### **METHOD OF MARKING:**

The permanent markings appear on a self-adhesive label manufactured by 3M (CUL MH18072) and is mounted on the surface of the apparatus.

- (1) Company's name, trademark
- (2) Catalogue / Model designation.



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- (3) Date code / Serial number traceable to month and year of manufacture.
- (4) The cCSAus Monogram
- (5) Maximum ambient temperature  $T_a = + 70\text{ }^\circ\text{C}$
- (6) Reference to control drawing CD1106.01
- (7) Certificate number CSA.14.2726560
- (8) Hazardous location ratings:
  - “IS Class I/II/III, Division 1, Groups A to G”
  - “Ex ia IIC / Class I, Zone 0 AEx ia IIC T4”

Nameplate is as per drawing MTL66x\_IS-V0.2. Applicable Control drawing CD1106.01 is shipped with each product.

Note - Jurisdictions in Canada may require these markings to also be provided in French language. It is the responsibility of the manufacturer to provide bilingual marking, where applicable, in accordance with the requirements of the Provincial Regulatory Authorities.



## 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                                  |
|---------|--------------|--|
| 2726560 | June 4, 2014 | Original Certification.<br>208772 – 70002331 |

| Submittor's Model | Listee's Model |
|-------------------|----------------|
| F400              | MTL661         |
| F400              | MTL662         |
| F400              | MTL663         |
| D400              | MTL665         |