



# Certificate of Compliance

**Certificate:** 1642744 (LR 36637)

**Master Contract:** 152423

**Project:** 2365697

**Date Issued:** December 14, 2010

**Issued to:** Measurement Technology Limited

Great Marlings  
Butterfield  
Luton, Bedfordshire LU2 8DL  
United Kingdom  
Attention: M.C. Vijayaraghavan

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



*Ron Wachowicz*

**Issued by:** Ron Wachowicz, C.E.T.

## **PRODUCTS**

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

**Class I, Div. 1, Groups A, B, C, D:**

**Ex [ia] IIC; Class I, Zone 0,1, Groups IIC, IIB, IIA:**

**Class I, Div. 2, Groups A, B, C, D:**

MTL 5018ac Transformer Isolated Barrier; input rated 85-265 Vac, 50/60 Hz, 6VA max; relay contact rated 250 Vac, 2A; 40 Vdc, 2A; providing intrinsically safe outputs (linear) with entity parameters: Voc/Uo = 10.5V, Isc/Io = 14 mA, Po = 0.04W, Ca/Co = 2.41 uF, La/Lo = 175 mH; Temp. Code T4 @ Max. Ambient 60 Deg. C; Um = 250V:

Note: This barrier must be installed in suitable enclosures in a non-hazardous or Class I, Division 2 locations and provide intrinsically safe circuits for switches, thermocouples, non-inductive resistive devices or CSA Certified equipment when installed per manufacturer's control drawings. Non-I.S. terminals must not be connected to any equipment that uses or generates in excess of 250 Vrms or DC.



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**APPLICABLE REQUIREMENTS**

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

CAN/CSA-C22.2 No. 157-92 - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations

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

CAN/CSA-E60079-0:07 - Electrical apparatus for explosive gas atmospheres - General Requirements

CAN/CSA-E60079-11:02 - Electrical apparatus for explosive gas atmospheres - Part 11: Intrinsic Safety “i”



## *Supplement to Certificate of Compliance*

**Certificate:** 1642744

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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**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
2365697	December 14, 2010	Update report 1642744 to include revised PCB layout which was modified for better product performance.
1642744	August 3, 2005	Model 5018ac Isolating Barrier for Hazardous Locations