

# Certificate of Compliance

Certificate:

1856475

Master Contract: 237586

Project:

1856475

Date Issued: December 8, 2006

Issued to:

Dwyer Instruments, Inc.

102 Indiana Hwy 212 Michigan City, IN 46361

Attention:

Mr. Robert Thompson

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US'



Issued by:

Jeannette Keller

Authorized by: Peter Schimmoeller, Manager

of Certification Services

#### **PRODUCTS**

2258.03 - PROCESS CONTROL EQUIPMENT- Intrinsically Safe and Nonincendive Systems - For Hazardous Locations

2258.83 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Nonincendive Systems - Certified to US Standards

Class I, Division 1, Groups A, B, C, and D; Class II, Division 1, Groups E, F, G and Class III

PMS Particulate Sensor for use with Control Units identified below, 200 °C max ambient.

Note: There is no temperature rise caused by electrical components. Temperature code is based only on ambient temperature and process temperature, (e.g. a 200 °C ambient requires a T3 rating.)

#### For use in Ordinary Locations only

DPM-a-DLb-c-d-HZ Control Unit rated 115 Vac/230 Vac, 0.1A or 24Vdc, 0.25A, -25 to 70 °C, with intrinsically safe output to PMS Particulate Sensor.

Where a = Line Voltage – AC115, AC230, or DC24

b = Minimum Detection - numeric value (e.g. 0.1, 0.5, 5, 10, 50, 500 etc.)

c = Hardware option - MAI, RSI, BL, AI or DI (more than one may be specified)

d = Miscellaneous Options – alpha/numeric characters (e.g. 2RL, AB, GC, PT, PV, etc.)

The 'C' and 'US' indicators adjacent to the CSA Mark signify that the product has been evaluated to the applicable CSA and ANSI/UL Standards, for use in Canada and the U.S., respectively. This 'US' indicator includes products eligible to bear the 'NRTL' indicator. NRTL, i.e. National Recognized Testing Laboratory, is a designation granted by the U.S. Occupational Safety and Health Administration (OSHA) to laboratories which have been recognized to perform certification to U.S. Standards.

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#### **APPLICABLE REQUIREMENTS**

CSA C22.2 No. 0.4 Bonding and Grounding

CSA C22.2 No. 25 Enclosures for use in Class II hazardous locations

CSA C22.2 No. 142
CSA C22.2 No. 157
UL 913
UL 916
Process Control Equipment
Intrinsically Safe Equipment
Intrinsically Safe Systems
Energy Management Systems

#### **MARKINGS**

• Company name or CSA Master Contract number; (NOTE: If Master Contract marked, alternate company names may be used.)

- Model number;
- Serial number (or date code);
- Electrical rating;
- Maximum ambient with related T Code;
- WARNING SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY (or equivalent)
- CSA mark with adjacent indicators, 'C' and 'US'
- WARNING ALL WIRE MUST BE RATED 250 V (MIN). (may appear on internal label)

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## 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
1856475	12-8-2006	Original Certification. Model comparison with Report No. 219738-1423388.

Filter Sense	Dwyer Instruments, Inc.
EM30LGX	DPM
PS10	PMS