

Certificate of Compliance

Certificate: 1515778 (LR 36637)

Master Contract: 152423

Project: 1515778 (Edition 1)

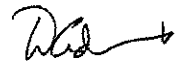
Date Issued: January 23, 2004

Issued to: Measurement Technology Limited
Power Court
Luton, Bedfordshire LU1 3JJ
UNITED KINGDOM


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



Issued by:


Dave Adams, P.Eng.
Certification Engineer

Authorized by:


Patricia Pasemko
Operations Manager

CLASS

2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsicly Safe, Entity - For Hazardous Locations
2258 84 - PROCESS CONTROL EQUIPMENT - Intrinsicly Safe, Entity - For Hazardous Locations - To U.S. Standards

PRODUCTS

Part A:

Class I, Groups A, B, C and D:

Models SD**, SD**X, SD**X3, SD**T3, SD**R, SD**R3, and SDrtd Surge Protection Devices; where ** is replaced with (07, 16, 32 or 55) and designates rated voltage of 7V, 17V, 32V and 55V respectively; Model SDrtd rated 7V; Temperature Code T4; With Entity/Maximum ambient parameters as follows:

SERIES SD**, SD**X, SD**X3, SD**T3

$I_{max} = 186mA$

$P_{max} = 1W (-30^{\circ}C < T_{amb} < 75^{\circ}C)$

$P_{max} = 1.2W (-30^{\circ}C < T_{amb} < 60^{\circ}C)$

$P_{max} = 1.3W (-30^{\circ}C < T_{amb} < 40^{\circ}C)$

$C_i = 0\mu F$

$L_i = 220\mu H$

SERIES SD**R, SD**R3, SDrtd

$P_{max} = 1W (-30^{\circ}C < T_{amb} < 75^{\circ}C)$

$P_{max} = 1.2W (-30^{\circ}C < T_{amb} < 60^{\circ}C)$

$P_{max} = 1.3W (-30^{\circ}C < T_{amb} < 40^{\circ}C)$

$C_i = 0\mu F$

$L_i = 0\mu H$

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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Part B:

Class I, Division 2, Groups A, B, C and D

Models SD**, SD**X, SD**X3, SD**T3, SD**R, SD**R3, and SDrtd Surge Protection Devices; where ** is replaced with (07, 16, 32 or 55) and designates rated voltage of 7V, 17V, 32V and 55V respectively; Model SDrtd rated 7V; Temperature Code T4.

APPLICABLE REQUIREMENTS

- CSA Standard C22.2 No 0-M1991 - General Requirements - Canadian Electrical Code Part II.
- 142-M1987 - Process Control Equipment.
- 157-M1992 - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations.
- 213-M1987 - Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations.

- UL 508, 17th Edition - Industrial Control Equipment.
- UL 913, Fifth Edition - Intrinsically Safe Apparatus and Associated Apparatus for use in Class I, II, III, Division 1, Hazardous (Classified) Locations.
- UL 1604, Third Edition - Electrical Equipment for Use in Class I and II, Division 2, and Class III Hazardous (Classified) Locations.



GSA INTERNATIONAL

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
1515778	January 23, 2004	Transfer Models SD**, SD**X, SD**X3, SD**T3, SD**R, SD**R3, and SDrtd Surge Protection Device from MC 185110-1089497 (LR 103652-3) to MC 152423-1515778 (LR 36637). Original submittor bought out by Measurement Technology Ltd. Correction to nameplate material.