

## **Factory Mutual Research**

1151 Boston-Providence Turnpike P.O. Box 9102 Norwood, Massachusetts 02062

## CERTIFICATE OF COMPLIANCE

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## HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following company:

Measurement Technology Limited Power Court, Luton
Bedfordshire, England LU1 3JJ

For:

4-20mA REPEATER POWER SUPPLY. Model MTL4043

AIS/I,II,III/1/ABCDEFG - SCI-712/1; Entity NI/I/2/ABCD

Max. Entity Parameters:

Terminals 2, 5 and 6: Vt = 28 Vdc, It = 141 mA, Ca = 0.13  $\mu$ F, La = 1.94 mH Terminals 2, 4 and 5: Vt = 28 Vdc, It = 93 mA, Ca = 0.13  $\mu$ F, La = 4.2 mH

Equipment Ratings: Associated Intrinsically Safe apparatus for connection in Class I, II, III, Division 1,

Group A, B, C, D, E, F and G in accordance with entity requirements and MTL Installation Drawing SCI-712; nonincendive for locating in Class I, Division 2,

Group A, B, C and D hazardous indoor locations.

Manufactured By: Measurement Technology Limited

Power Court, Luton

Bedfordshire, England LU1 3JJ

## **FACTORY MUTUAL RESEARCH CORPORATION**

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This certifies that the equipment described has been found to comply with the following Factory Mutual Research Corporation Approval Standards:

> Approval Standard Class 3600 - 1989 Approval Standard Class 3610 - 1988 Approval Standard Class 3611 - 1986 Approval Standard Class 3810 - 1989

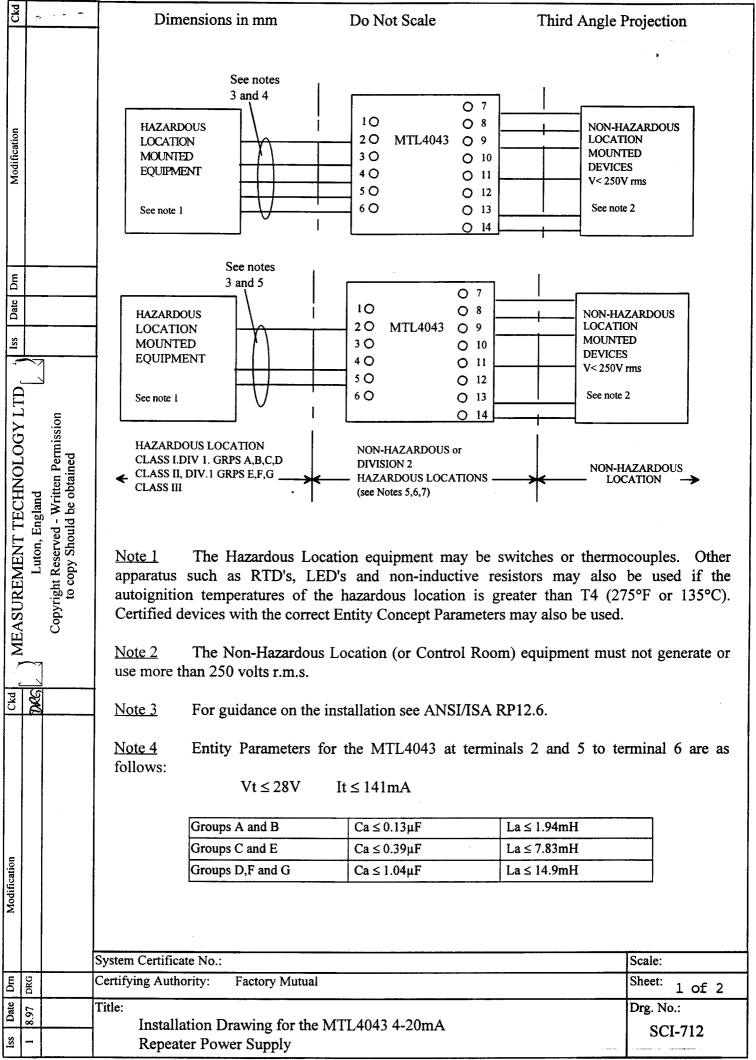
Related Approval Job Identification: 0W2A6.AX, 4X5A3.AX

Subsequent Revision Reports/Date Approval Amended: None

Factory Mutual Research Corporation

Frank J. McGowen, Manager Instrumentation Section

**Approval Division** 



Ckd	-	w 15	Dime	nsions in mm	Do Not Scale	Third Angle Pr	rojection
			Note 5 Entity Parameters for the MTL4043 at terminal 2 to terminals 4 and 5 are as follows: $Vt \leq 28V \qquad It \leq 93mA$				
Modification				(C	G (0.12) F	I - < 4 2 II	$\neg$
odific				Groups A and B	Ca ≤ 0.13μF Ca ≤ 0.39μF	La ≤ 4.2mH La ≤ 12.6mH	
X				Groups C and E Groups D, F and G	Ca ≤ 0.39μF  Ca ≤ 1.04μF	La ≤ 33.6mH	·
Modification	1786	Copyright to co	Non-Hazard Class I, Div Class II, Div Class III, Div Class II, Div Class II, Div Class III, Div	dous Locations vision 2, Groups A,B,C a vision 2, Groups F and C vivision 2, Hazardous Loc The MTL4043 is Asso see notes 6 and 7) is suita dous Locations vision 2, Groups A,B,C a vision 2, Groups F and C vivision 2, Groups F and C vivision 2, Hazardous Loc Associated Apparatus n enclosure meeting the re  Use FMRC Approved o mental protection in Cl Locations.  For use in Division 2 atual Research Corporation MTL4043 is installed in y affixed near the unit(s) less the area is known to	nd D Hazardous Locations Cations Cations Cations Cociated Apparatus and able for installation in the state of	when mounted in e following areas:  ons  rdance with the Nata-S82.  ition proof enclosurups F and G, Class the MTL4043 must s.  Locations a warning MTL4043 must not	the appropriate  ional Electrical  e(s) appropriate  III Division 2  be installed on  g label must be be removed or
ПС	DRG		Certifying Autho		- 1 14.0		Sheet: 2 of 2
Date Drn			Title:				Drg. No.:
	8.97	<del></del>		tion Drawing for the MT	L4043 4-20mA		SCI-712
ssı	-		Repeate	er Power Supply			