



# NIPPON KAIJI KYOKAI

Certificate No.  
TA08096M

## *Certificate of Type Test*

FOR EXPLOSION PROTECTED TYPE ELECTRICAL EQUIPMENT

APPLICANT: MTL Instruments K.K., Tokyo, Japan

MANUFACTURER: Measurement Technology Ltd., Bedfordshire, England

PRODUCT: Isolator

TYPE NO.: MTL5049, MTL5045

TYPE TEST NO.: 04T612

PARTICULARS: Construction Intrinsicly safe type (Ex ia IIC)  
Applied standards CENELEC  
EN50014(1997) + Amendment 1 & 2  
EN50020(1994)

Intrinsicly safe circuit  
Max. output voltage 28V  
Max. output current 93mA  
Max. output power 0.65W  
External capacitance 0.083  $\mu$ F  
External inductance 3.05mH or L/R Ratio 55  $\mu$ H/ $\Omega$   
Operational voltage 20V to 35Vd.c.  
Non-intrinsicly safe circuit 250Va.c.50/60Hz or 250Vd.c. max.  
Ambient temperature 60°C


CONDITION: Intrinsicly safe apparatus connecting to the above product is to be certified or approved by the Society.

DOCUMENTATION: SCI5049, CI5049-1 2/8~8/8, CI5000-1 1/2 & 2/2, CI5000-2 1/2 & 2/2, CI5045-1 2/8~8/8, CI5000-12 1/4~4/4, BAS01ATEX7157, Test Report No.01(C)0220

THIS IS TO CERTIFY that the above mentioned product has been approved by the NIPPON KAIJI KYOKAI in accordance with the Society's type test requirements for electrical equipment and cables.

This certificate is valid until the 10th May 2012.

Issued at Tokyo on the 14th March 2008.

  
S. Ogawa  
General Manager  
Machinery Department

