



# NIPPON KAIJI KYOKAI

## Certificate of Type Test

Certificate No.

1095-1

FOR EXPLOSION PROTECTED TYPE ELECTRICAL EQUIPMENT

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

MANUFACTURER: Measurement Technology Ltd., Bedfordshire, England

PRODUCT: Isolator

TYPE NO.: MTL5016

TYPE TEST NO.: 98T606

PARTICULARS : Construction Intrinsically Safe Type (Ex ia IIC)  
Applied Standard CENELEC  
EN50014(1977)+Amendments 1 to 5  
EN50020(1977)+Amendments 1 and 2

Intrinsically Safe Circuit

Max. Output Voltage	10.5V
Max. Output Current	14mA
Max. Output Power	37mW
External Capacitance	2.4 $\mu$ F
External Inductance	165mH or L/R Ratio 825 $\mu$ H/ $\Omega$

Non-Intrinsically Safe Circuit a.c./d.c.250V max.

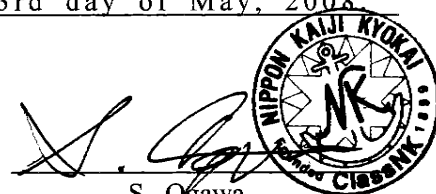
Operational Voltage	24.5V
Operational Current	80mA

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

DOCUMENTATION: SCI5016, CI5000, CI5016-1-1~8, CI4000-1-1~2  
BAS No. Ex95C2231, Cert. Report 94C1297

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 23rd day of May, 2008  
Issued at Tokyo on the 24th day of May, 2004.



S. Ogawa  
General Manager  
Machinery Department

Note: The manufacturer, if desired, is requested to apply to the Society for renewal prior to the expiration date.