



NIPPON KAIJI KYOKAI

Certificate of Type Test

Certificate No.
TA07596M

FOR EXPLOSION PROTECTED TYPE ELECTRICAL EQUIPMENT

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

MANUFACTURER: Measurement Technology Ltd., Bedfordshire, England

PRODUCT: Shunt-diode Safety Barriers for Transmitters, Controller outputs and Switches

TYPE NO.: MTL7787+

TYPE TEST NO.: 04T606

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 μ F
External inductance 3.05mH or L/R Ratio 56 μ H/ Ω

Non-intrinsicly safe circuit 250Va.c.50/60Hz or 250Vd.c. max.
Ambient temperature 60°C

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

DOCUMENTATION: SCI-7787, CI7700-1 1/4~4/4, CI7700-2 1/10 2/10 3/10 5/10 6/10 8/10, CI7787-1 1/4~4/4, SCI946 BAS01ATEX7217, Test Report No.00(C)1001

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 5th February 2012.

Issued at Tokyo on the 19th December 2007.



S. Ogawa
General Manager
Machinery Department