



# NIPPON KAIJI KYOKAI

## *Certificate of Type Test*

Certificate No.  
TA12023M

*FOR EXPLOSION PROTECTED TYPE ELECTRICAL EQUIPMENT*

APPLICANT: Cooper Industries Japan K.K., Tokyo, Japan

MANUFACTURER: Measurement Technology Ltd., Beds, England

PRODUCT: Isolating Intrinsically Safe Interface Units for 4/20mA Transmitters

TYPE NO.: MTL5042

TYPE TEST NO.: 04T607

PARTICULARS:

Construction	Intrinsically safe type (Ex ia IIC)
Intrinsically 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/ $\Omega$
Non-intrinsically safe circuit	250V a.c., 50/60Hz or 250V d.c. max.
Ambient temperature	60°C
Standards	EN50014(1997) + Amendment 1 and 2 EN50020(1994)

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

DOCUMENTATION: SCI5042, CI5042-1 2/8~8/8, CI5000-1 1/2 2/2, CI5000-2 1/2 2/2, CI5000-3 1/2 2/2, CI5000-12 1/4~4/4, BAS01ATEX7153, 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 5 February 2017.

Issued at Tokyo on 17 January 2012.

T. Narisawa  
General Manager  
Machinery Department