



# NIPPON KAIJI KYOKAI

## *Certificate of Type Test*

Certificate No.  
TA10558M

*FOR EXPLOSION PROTECTED TYPE ELECTRICAL EQUIPMENT*

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

MANUFACTURER: Measurement Technology Ltd., Beds, England

PRODUCT: Intrinsically Safe Type Switch/Proximity Detector Interface

TYPE NO.: MTL5018, MTL5011B

TYPE TEST NO.: 02T607

PARTICULARS:

Construction	Intrinsically safe type (Ex ia IIC)
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	250V a.c./d.c. max.
Standards	EN50014(1977)+Amendments 1 to 5
	EN50020(1977)+Amendments 1 to 5

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

DOCUMENTATION: SC15018, CI5000, CI5018-1 1/8~8/8, CI5000-6 1/2~2/2, CI5011-2 1/8~8/8  
LCI5018, BAS No.Ex96D2410, Test Report No.96(C)0989

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 25 November 2015.

Issued at Tokyo on 12 October 2010.

T. Narisawa  
General Manager  
Machinery Department

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