



NIPPON KAIJI KYOKAI

Certificate of Type Test

Certificate No.
TA04008M

FOR EXPLOSION PROTECTED TYPE ELECTRICAL EQUIPMENT

APPLICANT: M.T.L Instruments K.K., Tokyo, Japan

MANUFACTURER: Measurement Technology Ltd., Bedfordshire, England

PRODUCT: Intrinsically Safe Type Two Channel Switch/Proximity Detector Interface

TYPE NO.: MTL5018AC

TYPE TEST NO.: 03T605

PARTICULARS:

Construction	Intrinsically safe type (Ex ia IIC)
Applied standards	CENELEC EN50014 (1977) + Amendment 1&2 EN50020 (2002) EN50039 (1980)
Intrinsically safe circuit	Max. output voltage 10.5 V Max. output current 14 mA Max. output power 37 W External capacitance 2.41 μ F External inductance 175 mH or L/R Ratio 967 μ H/ Ω
Non-intrinsically safe circuit	a.c./d.c. 265 V max. 45~65 Hz
Ambient temperature	60°C

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

DOCUMENTATION: SCI5018ac, MTL I/C 150-018-01/1 1/8~8/8, CI4000-1-1/2, CI4000-1-2/2

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 3rd March 2011.

Issued at Tokyo on the 18th January 2007

S. Ogawa
General Manager
Machinery Department