



NIPPON KAIJI KYOKAI

Certificate of Type Test

Certificate No.
TA15448M

FOR EXPLOSION PROTECTED TYPE ELECTRICAL EQUIPMENT

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

MANUFACTURER: M.T.L Instruments Pvt. Limited, Chennai, India

PRODUCT: Intrinsically Safe Type Shunt-diode Safety Barrier System for Controller Outputs, Transmitters and Switches

TYPE NO.: MTL787SP+

TYPE TEST NO.: 98T605

PARTICULARS:

Construction	Intrinsically safe type (Ex ia IIC, Class I, Division1, Group A,B,C,D)
Intrinsically safe circuit	Max. output voltage 28V Max. output current 119.3mA Max. output power 835mW External capacitance 0.13 μ F External inductance 2.47mH
Non-intrinsically safe circuit	250V a.c./d.c. max. Operational voltage 24.5V Operational current 80mA
Standards	FMR Class No.3610 (1988), 3611 (1986), 3600 (1989), 3810 (1989) EN50014(1977)+Amendments 1 to 5 EN50020(1977)+Amendments 1 and 2

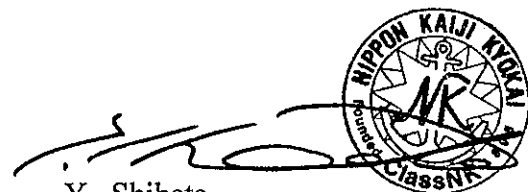
CONDITION: Intrinsically safe apparatus connecting to the above product is to be certified or approved by the Society.

DOCUMENTATION: SCI787SP, CI700, SCI326-1~3, CI787-229-1~3, CI700-1-1/1, CI700-2-1/1, CI700-5-1/1, CI700-6-1/1

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 13 October 2020.

Issued at Tokyo on 10 August 2015.



Y. Shibata
General Manager
Machinery Department

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