



NIPPON KAIJI KYOKAI

Certificate of Type Test

Certificate No.
TA15040M

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 for Controller Outputs, Transmitters and Switches

TYPE NO.: MTL787S+

TYPE TEST NO.: 94T601

PARTICULARS:	Construction	Intrinsically safe type	(Ex ia IIC)
	Intrinsically safe circuit	Max. output voltage	28.76V
		Max. output current	93mA
		Max. output power	0.655W
		External capacitance	0.05 μ F
		External inductance	2.75mH
	Non-intrinsically safe circuit	250V a.c./d.c. max.	
		Operational voltage	25.5V d.c.
		Operational current	50mA d.c.

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

DOCUMENTATION: CI787-2-1/2, CI787-2-2/2, CI700, CI700-1, CI700-2, CI700-4, CI100-2/4

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 8 March 2020.

Issued at Tokyo on 16 January 2015.



Y. Shibata
General Manager
Machinery Department

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