


Type Examination Certificate

for Electrical Equipment used in Potentially Explosive Atmosphere

Issued by Certification Management Limited, Unit 1 Newport Business Park, New Port Road, Ellesmere Port CH65 4LZ, UK	
Applicant	MTS Sensor Technologie GmbH & Co. KG Auf dem Schüffel 9, 58513 Lüdenscheid, Germany
Manufacturer name	MTS Sensor Technologie GmbH & Co. KG Auf dem Schüffel 9, 58513 Lüdenscheid, Germany MTS Systems Corporation, Sensors Division 3001 Sheldon Drive, Cary, NC 27513, USA
Product name	Position Sensor Temposonics® T-series TH
Type/model code	T Series TH For details see attachment 1
Type of protection	Flameproof and dust ignition protection by enclosure.
Group, Temperature Class and EPL	IIC T4Ga/Gb IIIC T130°C Db
The equipment shall be marked with the following	Ex d IIC T4 Ga/Gb Ex d e IIC T4 Ga/Gb Ex t IIIC T130°C Db
Ratings	24 V.D.C
Special condition for safe use	See attachment 2.
Certificate number	CML 17JPN1072X
Term of validity	From 16-07-2017 to 15-07-2020 

This is to certify that the equipment specified above complies with the requirements stipulated in Ordinance on Examination of Machines and Other Equipment of the Ministry of Health, Labour and Welfare, Japan.

Issue date: 16-07-2017

Signature of examiner:



Attachment 2: Special conditions for safe use

- i. For repair of the flameproof joints contact the manufacturer for information on their dimensions. Repairs must not be made on the basis of the values specified in Tables 1 and 2 of JNIOSH-TR-46-2.
- ii. Suitably certified Ex d IIC Gb cable glands are to be used. The volume of the Ex d enclosure is less than 2 litres.
- iii. When installing the position sensor Temposonics® T-Series TH in the boundary of a zone 0 hazardous area, the corresponding requirements must be complied with. At this, the interface must be sufficiently tight (IP66 or IP67) or form a flameproof joint according to JNIOSH-TR-46-2(joints specified for a volume $\leq 100 \text{ cm}^3$) between the zone 0 and the less hazardous area.
In addition, the position sensor Temposonics® T-Series TH must be protected against overheating by means of an 'upstream' fuse of 125 mA.
- iv. The sensor tube must be protected from mechanical damage.