



EU Type Examination Certificate CML16ATEX1090X Issue 1

- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Equipment **Position Sensor Temposonics® T-Series TH**
- 3 Manufacturer **MTS Technologie GmbH & Co. KG** **MTS Systems Corporation, Sensors Division**
- 4 Address Auf dem Schüffel 9 3001 Sheldon Drive
58513 Lüdenscheid Cary
Germany NC 27513
USA
- 5 The equipment is specified in the description of this certificate and the documents to which it refers.
- 6 Certification Management Limited, Unit 1 Newport Business Park, New Port Road, Ellesmere Port CH65 4LZ, UK, Notified Body Number 2503, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.
The examination and test results are recorded in the confidential reports listed in Section 12.
- 7 If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to conditions of safe use (affecting correct installation or safe use). These are specified in Section 14.
- 8 This EU Type Examination certificate relates only to the design and construction of the specified equipment or component. Further requirements of Directive 2014/34/EU Article 13 apply to the manufacture of the equipment or component and are separately certified.
- 9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:
EN 60079-0:2012 EN 60079-1:2014 EN 60079-7:2015 EN 60079-26:2015
EN 60079-31:2014
- 10 The equipment shall be marked with the following:



II 1/2 G D

or

Ex db IIC T4 Ga/Gb

Ex db eb IIC T4 Ga/Gb

Ex tb IIIC T130°C Ga/Db

Ta = -40°C to +90°C

Ta = -40°C to +90°C

Ta = -40°C to + 90°C



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14 Special Conditions for Safe Use (Conditions of Certification)

The following conditions relate to safe installation and/or use of the equipment.

- 14.1 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 Table 3 of EN 60079-1.
- 14.2 When installing the Position Sensor Temposonics® T-Series TH in the boundary of a zone 0 hazardous area, the corresponding requirements of EN 60079-26 and EN 60079-10-1 must be complied with. At this, the interface must be sufficiently tight (IP66 or IP67) or form a flameproof joint according to EN 60079-1 (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.
- 14.3 The sensor tube must be protected from mechanical damage.



Certificate and File Transfer

This document confirms the transfer of the following referenced certificates and files.

Receiving Notified Body:

CML B.V.,
Hoogoorddreef 15
1101BA,
Amsterdam,
The Netherlands
(Notified Body number 2776)

(Original) Issuing Notified Body:

Certification Management Limited (Eurofins E&E CML Limited)
Newport Business Park,
New Port Road,
Ellesmere Port
CH65 4LZ
United Kingdom
(Notified Body number 2503)

Manufacturer:

MTS Sensor Technologie
Auf Dem Schüffel 9
Lüdenscheid
D-58513
Germany

Certificates transferred

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The manufacturer may use this document as evidence of continuity of certification.

Where the certification documentation or markings require updating to reflect the transfer, for example, change to Notified Body number, this is permitted without submission of updated documentation to CML.

The manufacturer shall apply to CML for any other changes to the product design.

Signed

On behalf of

CML B.V.

D R Stubbings MIET

Technical Director

Tuesday, 08 October 2019

On behalf of

CML UK

A C Smith

Technical Operations Director

Tuesday, 08 October 2019

On behalf of

MTS Sensor Technologie GmbH &
Co. KG

Dr.-Ing. Eugen Davidoff

Approvals Manager

Tuesday, 08 October 2019

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