

CERTIFICATE OF CONFORMITY



1. **HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT PER US REQUIREMENTS**

2. **Certificate No:** FM17US0279

3. **Equipment:** T-940/1Z
(Type Reference and Name) Test Lamp

4. **Name of Listing Company:** SENSE-WARE Fire and Gas Detection BV

5. **Address of Listing Company:** Storkstraat 7
NL-3905 KX Veenendaal
The Netherlands

6. The examination and test results are recorded in confidential report number:

3062222 dated 4th December 2017

7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:

FM Class 3600:2011, FM Class 3610:2015, FM Class 3810:2005, FM Class 3260:2000,
ANSI/ISA 60079-0:2013, ANSI/ISA 60079-11:2014, ANSI/ISA 61010-1:2012

8. If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.

9. This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.

10. **Equipment Ratings:**

Intrinsic Safety for Class I, Division 1, Groups A, B, C and D; T3 or T4; Intrinsic Safety for Class I, Zone 1, AEx ia IIC T3 or T4 Gb hazardous (classified) locations with an ambient temperature rating of -20°C to +46°C for T4; with an ambient temperature rating of -20°C to +54°C for T3

Certificate issued by:

J. E. Marquedant
VP, Manager, Electrical Systems

4 December 2017

Date

To verify the availability of the Approved product, please refer to www.approvalguide.com

THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE

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SCHEDULE

US Certificate Of Conformity No: FM17US0279

11. The marking of the equipment shall include:

Intrinsic Safety for Class I Division 1, Groups A, B, C, D; T4

Intrinsic Safety for Class I Division 1, Groups A, B, C, D; T3

Class I, Zone 1, AEx ia IIC T4 Gb

Class I, Zone 1, AEx ia IIC T3 Gb

T4 Ta = -20°C to +46°C

T3 Ta = -20°C to +54°C

12. **Description of Equipment:**

General - Test Lamp for Flame Detectors, model T-940/1Z. Suitable for testing Sense-WARE series 210 Flame Detectors models UV-185/5CZ Ultraviolet, UV/IR-210/1CZ Ultraviolet/Infrared and IR3-109/1CZ Triple Infrared Flame Detectors. The Test Lamp is a hand held device powered by batteries. The front of the Test Lamp includes a pushbutton and a bicolored control LED.

Construction – The T-940/1Z Test Lamp's electronics and batteries are housed in enclosure made of aluminium alloy.

Ratings - The T-940/1Z Test Lamp is power by batteries and operate on 6 Volt DC. The transmitters are rated for use in an ambient temperature range of -20°C to +54°C.

T-940/1Z Test Lamp

13. **Test and Assessment Procedure and Conditions:**

This Certificate has been issued in accordance with FM Approvals US Certification Requirements.

14. **Schedule Drawings**

A copy of the technical documentation has been kept by FM Approvals.

15. **Certificate History**

Details of the supplements to this certificate are described below:

Date	Description
4 th December 2017	Original Issue.

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