



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx UL 19.0010

Issue No: 0

Certificate history:

[Issue No. 0 \(2019-04-05\)](#)

Status: **Current**

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Date of Issue: **2019-04-05**

Applicant: **TEGAM Inc.**
10 Tegam Way
Geneva, OH 44041
United States of America

Equipment: **Handheld Thermometers with Thermocouple Inputs, Models 921B and Model 922B**

Optional accessory:

Type of Protection: **Intrinsic Safety "ia"**

Marking:
Ex ia IIB T4 Ga
-20°C ≤ Ta ≤ +50°C

*Approved for issue on behalf of the IECEx
Certification Body:*

Erin LaRocco

Position:

Staff Engineer

*Signature:
(for printed version)*

Date:

2019-04-05

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](#).

Certificate issued by:

UL LLC
333 Pfingsten Road
Northbrook IL 60062-2096
United States of America





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Manufacturer: **TEGAM Inc.**
10 Tegam Way
Geneva, OH 44041
United States of America

Additional Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-11 : 2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[US/UL/ExTR19.0012/00](#)

Quality Assessment Report:

[US/UL/QAR10.0009/08](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The TEGAM 921B and 922B are high-accuracy handheld digital thermometers that provided with a wired probe. They are compatible with thermocouple types: E, J, K, and T. The Device is for use with three Alkaline-Manganese Dioxide primary cells part number E91 manufactured by Energizer or three Alkaline-Manganese Dioxide part number MN1500 manufactured by Duracell.

Please see Annex for additional information.

SPECIFIC CONDITIONS OF USE: NO



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Additional information:

Annex:

[Annex to IECEX UL 19.0010 Issue 0.pdf](#)



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PARAMETERS RELATING TO THE SAFETY

Use with maximum of three Alkaline-Manganese Dioxide primary cells part number E91 manufactured by Energizer or use with maximum of three Alkaline-Manganese Dioxide part number MN1500 manufactured by Duracell.

MARKING

Marking has to be readable and indelible; it has to include the following indications:

