



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

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

Certificate No.:	IECEX BAS 19.0109	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 4	Issue 3 (2022-10-14)
Date of Issue:	2026-01-26		Issue 2 (2020-11-12)
Applicant:	MadgeTech, Inc. 6 Warner Road Warner NH 03278 United States of America		Issue 1 (2020-07-27)
Equipment:	RHTEMP1000EX and TEMP1000EX		Issue 0 (2019-12-18)
Optional accessory:			
Type of Protection:	Intrinsic Safety		
Marking:	Ex ia IIC T4 Ga (-40°C ≤ Ta ≤ +80°C)		

Approved for issue on behalf of the IECEx
Certification Body:

P Oates

Position:

Engineering Manager

Signature:
(for printed version)

Date:
(for printed version)

26/1/2026

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 www.iecex.com or use of this QR Code.



Certificate issued by:

SGS UK Limited
Rockhead Business Park
Staden Lane
Buxton, Derbyshire SK17 9RZ
United Kingdom





IECEX Certificate of Conformity

Certificate No.: **IECEX BAS 19.0109**

Page 2 of 4

Date of issue: 2026-01-26

Issue No: 4

Manufacturer: **MadgeTech, Inc.**
6 Warner Road
Warner NH 03278
United States of America

Manufacturing locations: **MadgeTech, Inc.**
6 Warner Road
Warner NH 03278
United States of America

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 equipment 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 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

This Certificate **does not** indicate compliance with 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 Reports:

[GB/BAS/ExTR19.0287/00](#)
[GB/BAS/ExTR22.0166/00](#)

[GB/BAS/ExTR20.0079/00](#)
[GB/SGS/ExTR25.0165/00](#)

[GB/BAS/ExTR20.0167/00](#)

Quality Assessment Report:

[US/SNA/QAR24.0002/00](#)



IECEX Certificate of Conformity

Certificate No.: **IECEX BAS 19.0109**

Page 3 of 4

Date of issue: 2026-01-26

Issue No: 4

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The product is a temperature sensor (TEMP1000EX) or a temperature sensor with relative humidity sensor (RHTEMP1000EX) with additional model variants isolated to the probe attachments. These dataloggers are to monitor temperature and humidity for the intended area of deployment. The data logging stops once the maximum memory capacity is reached. The data is extracted through use of a remote / separate docking station and a serial communication line. Data recording will re-start only once reset by the computer. The data is then collected.

Equipment is powered by one Tadiran TL 2150 1/2AA cell. The TEMP1000EX Model Series measure 2.65 in. x 0.97 in. dia., with various lengths of probe attachments based on utilization.

The RHTEMP1000EX Model Series measures 1.7 in. x 0.97 in. x 0.97 in. They appear alike and are cylindrical portable sensors, with probe attachments, which is the difference in the Model Series. The humidity range that the product can measure is 0% to 100% on relative humidity (RH) scale.

SPECIFIC CONDITIONS OF USE: NO



IECEX Certificate of Conformity

Certificate No.: **IECEX BAS 19.0109**

Page 4 of 4

Date of issue: 2026-01-26

Issue No: 4

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Variation 4.1

To permit minor label drawing change.

Variation 4.2

To revise the construction to permit minor electrical changes not affecting previous assessment.

ExTR: **GB/SGS/ExTR25.0165/00**

File Reference: **25/0555**