

1 **EU - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres  
Directive 2014/34/EU**

3 EU - Type Examination Certificate Number: **Baseefa19ATEX0126 – Issue 4**

4 Product: **RHTEMP1000EX and TEMP1000EX**

5 Manufacturer: **MadgeTech, Inc.**

6 Address: **6 Warner Road, Warner, NH 03278, USA**

7 This re-issued certificate extends EU Type Examination Certificate No. **Baseefa19ATEX0126** to apply to product designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

8 SGS Fimko Oy, Notified Body number 0598, 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 product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

8.1 The original certificate was issued by SGS Baseefa Ltd (UK Notified Body 1180). It, and any supplements previously issued by SGS Baseefa Ltd have been transferred to the supervision of SGS Fimko Oy (EU Notified Body 0598). The original certificate number is retained.

The examination and test results are recorded in confidential Report No. **See Certificate History**

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN IEC 60079-0: 2018 EN 60079-11: 2012**

except in respect of those requirements listed at item 18 of the Schedule.

10 If the sign “X” is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

11 This EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of the product shall include the following:

**⊕ II 1 G Ex ia IIC T4 Ga (-40°C ≤ T<sub>amb</sub> ≤ +80°C)**

SGS Fimko Oy Customer Reference No. **8001**

Project File No. **25/0555**

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## Schedule

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### Certificate Number Baseefa19ATEX0126 – Issue 4

#### 15 Description of Product

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.

#### 16 Report Number

See Certificate History.

#### 17 Specific Conditions of Use

None

#### 18 Essential Health and Safety Requirements

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product:

Clause	Subject	Compliance
1.2.7	Protection against other hazards (LVD type requirements, etc.)	Manufacturer responsibility
1.2.8	Overloading of equipment (protection relays, etc.)	User/Installer responsibility
1.4.1	External effects	User/Installer responsibility
1.4.2	Aggressive substances, etc.	User/Installer responsibility

#### 19 Drawings and Documents

New drawings submitted for this issue of certificate:

Number	Sheet	Issue	Date	Description
DOC-902154-00	1 of 1	3.0	01/06/2026	RHTEMP100EX, TEMPERATURE AND HUMIDITY DATA LOGGER
DOC-902155-00	1 of 1	3.0	01/06/2026	TEMP100EX TEMPERATURE DATA LOGGER
DOC-2105003-01	1 of 1	2.0	18MAY22	PCB ASSEMBLY, 1000EX
SUB-1367007-01	1 of 1	2.0	08/12/2025	TEMP1000EX-1 ELECTRICAL ASSEMBLY
SUB-1367007-XX	1 of 1	2.0	08/12/2025	TEMP1000EX-XX ELECTRICAL ASSEMBLY
SUB-1368007-00	1 of 1	2.0	08/12/2025	RHTEMP1000EX ELECTRICAL ASSEMBLY
SVC-2107007-01	1 of 1	2.0	08/12/2025	PCB ASSEMBLY, HITEMP140 & 1000EX RH SENSOR ADAPTER

Current drawings which remain unaffected by this issue:

Number	Sheet	Issue	Date	Description
SUB-1368006-00	1 to 5	2.0	7/18/2022	RHTEMP1000EX (IS) MANUFACTURED ASSEMBLY
SUB-1368006-K0	1 to 5	2.0	7/18/2022	RHTEMP1000EX-KR (IS) MANUFACTURED ASSEMBLY WITH K
SVC-2105007-01	1 & 2	2.0	5/19/2022	1000EX PCB SMT ASSEMBLY
DOC-2105002-01	1 of 1	2.0	05/04/2022	SCHEMATIC DRAWING 1000EX MAIN PCB
DOC-2105004-00	1 & 2	2.0	05/18/2022	Fabrication Drawing, 1000EX MAIN PCB
DOC-2107002-01	1 of 1	2.0	05/31/2019	SCHEMATIC DRAWING HITEMP140 AND 1000EX RELATIVE HUMIDITY SENSOR ADAPTER (RHI)
DOC-2107003-01	1 of 1	2.0	07/11/2022	PCB ASSEMBLY, HITEMP140 AND 1000EX RELATIVE HUMIDITY SENSOR ADAPTER (RHI)
DOC-2107004-00	1 of 1	2.0	07/11/2022	PCB FABRICATION DRAWING, HITEMP 140 and 1000EX RELATIVE HUMIDITY SENSOR ADAPTER (RHI)
SUB-2106007-02	1 of 1	1.1	11/22/2019	HITEMP140 & 1000Ex 2" PROBE BOARD SUB ASSEMBLY
SVC-2104007-00	1 of 1	1.1	11/22/2019	BOARD HT & 1000Ex 2-PIN BATTERY CONTACT PCB ASSEMBLY
SUB-2106007-03	1 of 1	1.1	11/22/2019	HITEMP140 & 1000Ex 5.25" PROBE BOARD SUB ASSEMBLY
SUB-2106007-04	1 of 1	1.1	11/22/2019	HITEMP140 & 1000Ex 7" PROBE BOARD SUB ASSEMBLY
DOC-2104002-00	1 of 1	1.0	01/21/2019	HITEMP140 AND 1000EX SCHEMATIC DRAWING, 2-PIN BATTERY CONNECTION
DOC-2104003-00	1 of 1	1.0	01/21/2019	PCB ASSEMBLY, HITEMP140 AND 1000EX 2-PIN BATTERY CONNECTION
DOC-2106002-XX	1 of 1	1.0	05/31/2019	HITEMP140 AMD 1000EX SCHEMATIC DRAWING, RIGID AND FLEXIBLE ROBE ADAPTER
DOC-2106003-XX	1 of 1	1.0	05/31/2019	PCB ASSEMBLY, HITEMP140 AND 1000EX RIGID AND FLEXIBLE ROBE ADAPTER

All drawings are held with IECEx BAS 19.0109 Issue 4.

## 20 Certificate History

Certificate No.	Date	Comments
Baseefa19ATEX0126	19 December 2019	The release of the prime certificate. The associated test and assessment against the requirements of EN IEC 60079-0: 2018 & EN 60079-11: 2012 is documented in Certification Report No. GB/BAS/ExTR19.0287/00 (held with IECEx BAS 19.0109 Iss. 0), Project File No. 19/0594.
Baseefa19ATEX0126 Issue 1	27 July 2020	This issue of the certificate permits the addition of variants of the equipment fitted with a key ring and other minor drawing changes not affecting the original assessment. The equipment description on page 2 of the certificate was updated to include reference to these key ring variants. No additional changes performed under this revision. The associated test and assessment of the above is documented in Certification Report No. GB/BAS/ExTR20.0079/00 (held with IECEx BAS 19.0109 Iss. 1), Project File No. 20/0143.

<b>Certificate No.</b>	<b>Date</b>	<b>Comments</b>
Baseefa19ATEX0126 Issue 2	11 November 2020	<p>This issue of the certificate permit minor drawings changes not affecting the previous assessment. As a result of these drawing changes, drawing No's 902153-00, 902154-00, 902155-00, 902156-00, 902157-00, SUB-1367006-01, SUB-1367006-02, SUB-1367006-03, SUB-1367006-04, SUB-1367006-K1, SUB-1367006-K2, SUB-1367006-K3, SUB-1367006-K4, SUB-1368006-00, SUB-1368006-K0, SUB-2105007-01 &amp; SUB-2107007-00 now no longer require listing as controlled drawings and were removed from the above drawing list.</p> <p>The associated test and assessment of the above is documented in Certification Report No. GB/BAS/ExTR20.0167/00 (held with IECEx BAS 19.0109 Iss. 2), Project File No. 20/0489.</p>
Baseefa19ATEX0126 Issue 3	10 October 2022	To permit O-ring specification changes and component changes not affecting the result of the original assessment. See report GB/BAS/ExTR22.0166/00 for project 22/0422.
Baseefa19ATEX0126 Issue 4	26 January 2026	To permit Notified Body number change on the product label drawing and to permit drawing updates to reflect electrical component changes that do not affect the previous assessment. The associated test and assessment is documented in Certification Report No. GB/BAS/ExTR25.0165/00 held with project 25/0555.
For drawings applicable to each issue, see original of that issue.		