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中国认可
国际互认
检测
TESTING
CNAS L0793

TEST REPORT

Name of product: Single-Use PDF Data Logger

Test category: Entrust test

Applicant: Elitech Technology, Inc.

Manufacturer: Jiangsu Jingchuang Electronics Co.,Ltd.

Factory: Jiangsu Jingchuang Electronics Co.,Ltd.


China Testing & Inspection Institute for Household Electric Appliances



TEST REPORT

Report reference No.: WB-20-0109

Page 2 of 29 Pages

Name of product	Single-Use PDF Data Logger	Type/model ref.	LogEt 1
Trade mark	elitech	Sample grade	Qualified products
Test category	Entrust test	Sample provided by	<input checked="" type="checkbox"/> Delivery <input type="checkbox"/> Sampling
Sample amount	7	Sample No.	2011-29790-01~07
Applicant / Address	Elitech Technology, Inc./ 2528 Qume Dr, Ste 2 San Jose, CA 95131		
Manufacturer / Address	Jiangsu Jingchuang Electronics Co.,Ltd./ The third Industrial Park, 21 Zhujiang East Road High-tech Industrial Development ZoneXuzhou,Jiangsu CHINA		
Factory/ Address	Jiangsu Jingchuang Electronics Co.,Ltd./ The third Industrial Park, 21 Zhujiang East Road High-tech Industrial Development ZoneXuzhou,Jiangsu CHINA		
Test standard or method	WHO/PQS/E006/TR06.VP.3 PQS Independent type-testing protocol 《30 day electronic refrigerator temperature logger》		
Decision basis	WHO/PQS/E006/TR06.3 PQS performance specification 《30 day electronic refrigerator temperature logger》		
<p>Test Conclusion:</p> <p style="margin-left: 40px;">Entrusted by Jiangsu Jingchuan Electronics Co., Ltd., PQS type test was conducted on logEt 1 Single-Use PDF Data Logger produced by Jiangsu Jingchuan Electronics Co., Ltd.</p> <p style="margin-left: 40px;">According to WHO/PQS/E006/TR06.VP.3 , all test results meet the requirements of WHO/PQS/E006/TR06.3.</p> <div style="text-align: center; margin: 10px 0;">  </div> <p>(Statement: In the test report, the applicant is responsible for the authenticity of the sample and the relevant information. Testing lab is responsible for the accuracy of test data only.)</p> <p style="text-align: right; margin-right: 100px;">Date of issue: 2017.4.19</p>			
<p>Tested by: <i>Wang Chao</i> Reviewed by: <i>Wu Xiaoli</i> Approved by: <i>Hu Rong</i></p>			

Test Instruction

1. Confirmation of samples to be examined prior to commencement of testing

No abnormality was found in the sample. []

Meet test requirements. []

The sample quantity meets the test requirement. []

The actual sample is in accordance with the content filled in the entrustment form. []

2. In this report:

“P” means “Pass”. Test object does meet the requirement.

“F” means “Fail”. Test object does not meet the requirement.

“N” or “N/A” means “Not applicable”. Test case does not apply to the test object.

“/” means “Not tested”.

When an option is provided in the form "[]", "[]" indicates that the item has been selected.

When an option is provided in the form "[]", "[]" or "[]" indicates that the item has been selected.

3. Date received: 2020/12/01

Date of start of tests: 2020/12/01

Date of end of tests:2021/04/16

4. Testing location/ address:

[] No.3, Boxing Balu, Beijing Economic and Technological Development Area, Beijing, China

[] No.29, Xiaxie Street, Xicheng District, Beijing, China

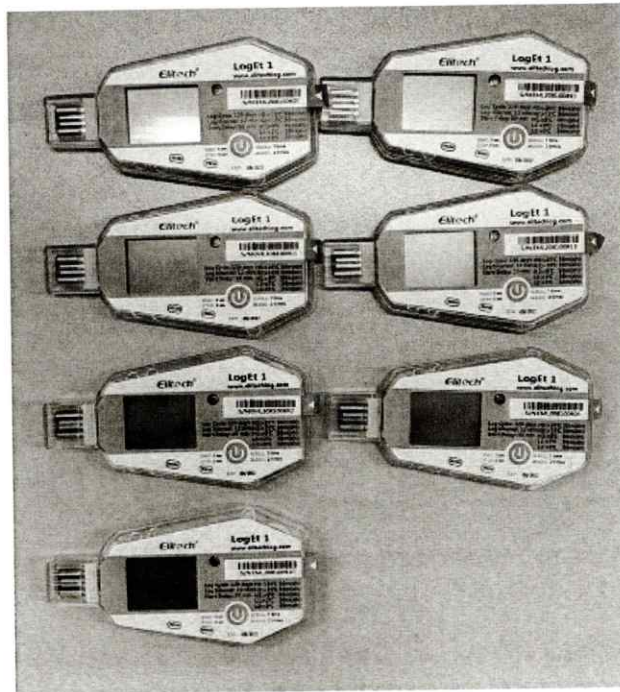
[] 4/F., Building 2, No. 32, Keji Road, Gutang Street, Cixi, Zhejiang, China

[] At sites or facilities outside its permanent control. Address: _____

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Sample Description/ Sample Photo

Recording Options	Single Use	Certifications	EN1283D, CE, RoHS
Temperature Range	-30°C ~ 70°C, 0%RH ~ 100%RH	Validation Certificate	As Hardcopy
Temperature Accuracy	±0.5°C(-20°C ~ +40°C), others ±1.0°C ±0.3°C(-30°C ~ +70°C) - for LogEt 1Bio only	Software	ElitechLog Data Management Software Win(V4.0.0 or newer) /ElitechLog Mac (V1.0.0 or newer)
Humidity Accuracy	±3%RH(20%RH ~ 80%RH), others ±5%RH - for LogEt 1TH only under 25°C	Compatible OS	Mac OS 10.10 or higher Windows XP/7/10
Resolution	0.1°C, 0.1%RH	Report Generation	Automatic PDF report
Data Storage Capacity	Max. 16,000 points	Password Protection	Software Password Protection
Shelf Life / Battery	2 years/CR2450 button cell ⁽³⁾	Connection Interface	USB 2.0 (Standard Type A Connector)
Recording Interval	12 minutes (Default, others on request)	Alarm Configuration	Optional, Up to 5 thresholds
Recording Duration	Up to 120 days (Default, others on request) ⁽⁴⁾		
Start Mode	Button or software	Note:	
Stop Mode	Button, software or stop when full	⁽³⁾ Depending on optimal storage conditions (15°C to 23°C / 45% to 75% RH)	
Protection Class	IP67 (Not for LogEt 1TH)	⁽⁴⁾ Depending on application temperature (very low/high temperatures may shorten it)	
Reprogrammable	Via Elitech software Via Online Configuration Web		



1 Summary

A summary of its test by test compliance is shown in the table below:

Type of Test	Comply/Non Comply
Test 1: Type examination.	Comply
Test 2: Resistance to dropping and vibration.	Comply
Test 3: Calibration and measurement accuracy.	Comply
Test 4: Variation of performance with ambient temperature: (this test only applies to devices with remote sensors)	N/A (Integrated sensor devices)
Test 5: Alarm test	Comply
Test 6: Exposure to over-range and under-range temperatures.	Comply
Test 7: IP rating test to IEC 60529	Comply
Test 8: Pause function test	Comply
Test 9: Observer perception test	Comply

2 Evidence of Conformity assessment

The sample carries the CE mark.

3 NUMBER OF SAMPLE

3.1 Samples for Testing

Seven samples of Single-Use PDF Data Logger LogEt 1 are submitted to CTIHEA for the purpose of type certification.

3.2 Prequalification Dossier

A dossier comprising the items listed below has been submitted to WHO. A dossier has been provided to CTIHEA.

• Dossier examination fee in US dollars.	Yes
• General information about the legal manufacturer, including name and address.	Yes
• Confirmation of the brand name of the product.	Yes
• Full specifications of the product being offered, covering all the requirements set out in this document, including details of product marking and traceability.	Yes
• Certified photocopy of Certificate of Traceability and Calibration traceable to an ISO/IEC 17025 accredited testing laboratory, to NIST, [or to another internationally recognized standards agency].	Yes
• Certified photocopies of all type-approvals obtained for the product, including CE marking and the like.	Yes
• Certified photocopies of the legal manufacturer's ISO 9001 quality system certification.	Yes
• Where relevant, certified photocopies of the legal manufacturer's ISO 14001 certification, EMAS registration or registration with an equivalent environmental audit scheme. Conformity with an environmental audit scheme is not mandatory; however preference will be given to manufacturers who are able to demonstrate compliance with good environmental practice.	Yes

• Where available, laboratory test report(s) proving conformity with the product specifications.	Yes
• One sample of the product complete with accessories and carrying case.	Yes
• Indicative cost of the product per 100 units, per 1,000 units and per 10,000 units EXW (Incoterms 2000).	No

4 TEST PROCEDURE

4.1 Test 1: Type Examination

4.1.1 Step 1: Process and Problems

Samples for testing was shipped by road to CTIHEA directly from the Jiangsu Jingchuang Electronics Co.,Ltd. All samples were packed with the same one carton.

4.1.2 Step 2: Sample defects, damage and variance

Seven samples was provided. No visible damage was evident. The sample was not shipped with copies of the WHO Pre-Qualification Dossier as indicated in WHO/PQS/E006/GUIDE 1.3. Dossier information was provided by WHO.

4.1.3 Step 3: Sample differences

There is no differences between the samples ordered and those received.

4.1.4 Step 4: Visual Inspection

A visual inspection was conducted and observations made in **Table: Visual Verifications**

Table: Visual Verifications

Identification	Verification Item	Reference	Remarks
1	Test Code (CTIHEA)	2011-29790	Assigned by CTIHEA
2	Model No:	LogEt 1	Seven samples provided
3	Type: (e.g. remote sensor/replaceable battery, internal sensor/non-replaceable battery).	internal sensor/non-replaceable battery	
4	Legal Manufacturer or Reseller	Jiangsu Jingchuang Electronics Co., Ltd.	
5	Country of Origin	CHINA	
6	Conformity assessment markings	CE mark	I/SETC.000220190627

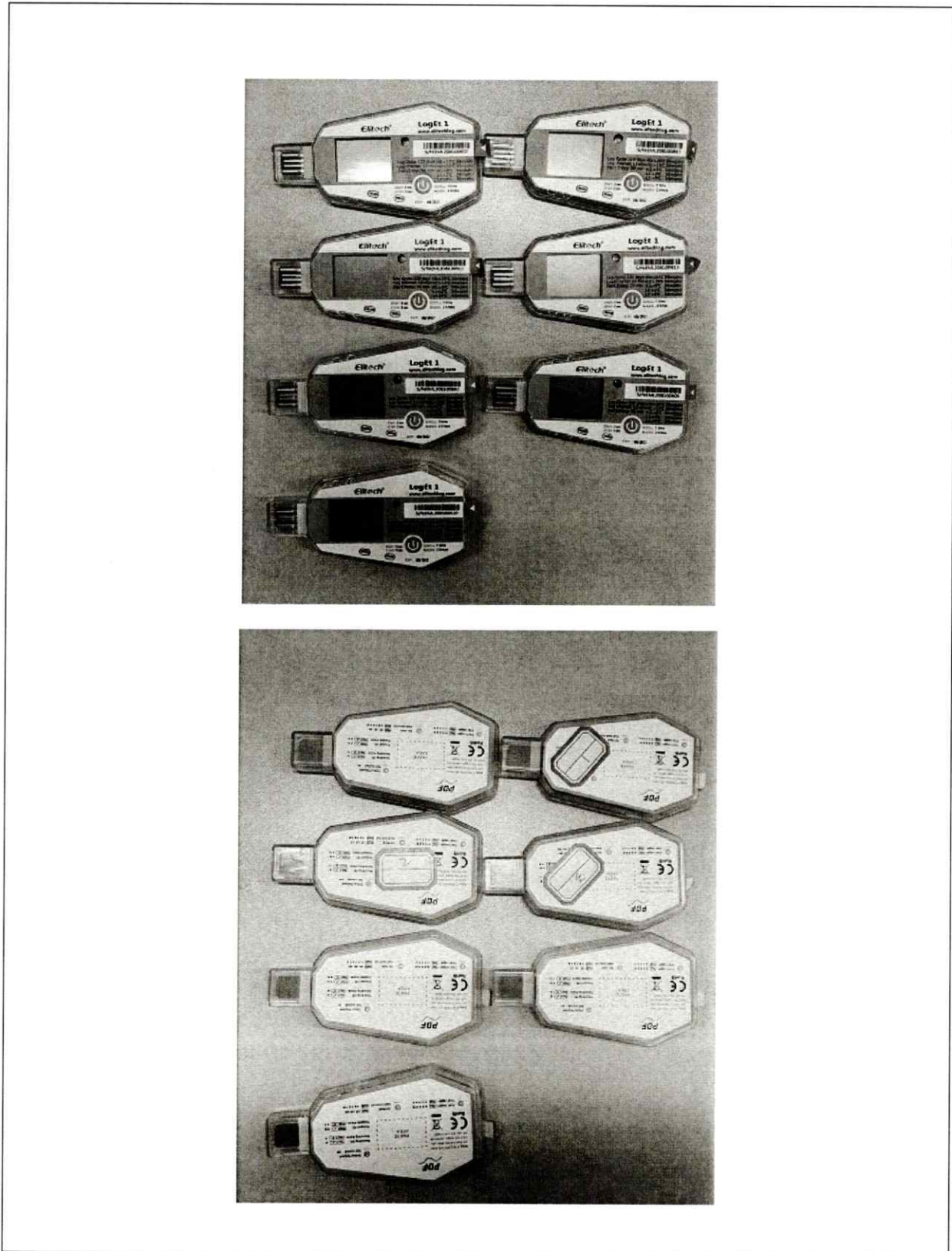
Verification Item		Reference	Remarks	Conform / Not Conform
Performance Characteristics				
1	Operating temperature range	Ref. specification clause 4.2.1	-20°C to +50°C	Conform
2	Accuracy	Ref. specification clause 4.2.2	-20°C ~ +40°C: ±0.5°C; others ±1.0°C	Conform
3	Resolution	Ref. specification clause 4.2.3	±0.1°C	Conform
4	Power source	Ref. specification clause 4.2.4	Non-replaceable battery	Conform
5	Sensor(s)	Ref. specification clause 4.2.5	Electronic (Integrated sensor devices)	Conform
6	Response time	Ref. specification clause 4.2.6	≤20 minutes	Conform
7	Unit of measurement	Ref. specification clause 4.2.7	recorded and displayed in degrees centigrade.	Conform
8	Calibration certificate	Ref. specification clause 4.2.8	Provided by the enterprise	Conform
9	Logging interval	Ref. specification clause 4.2.9	<10 minutes.	Conform
10	Mode of operation	Ref. specification clause 4.2.10	--	Conform
11	Delayed start function	Ref. specification clause 4.2.11	≤30 minutes	Conform
12	Alarm	Ref. specification clause 4.2.12	include a high breach and low breach visual alarm	Conform

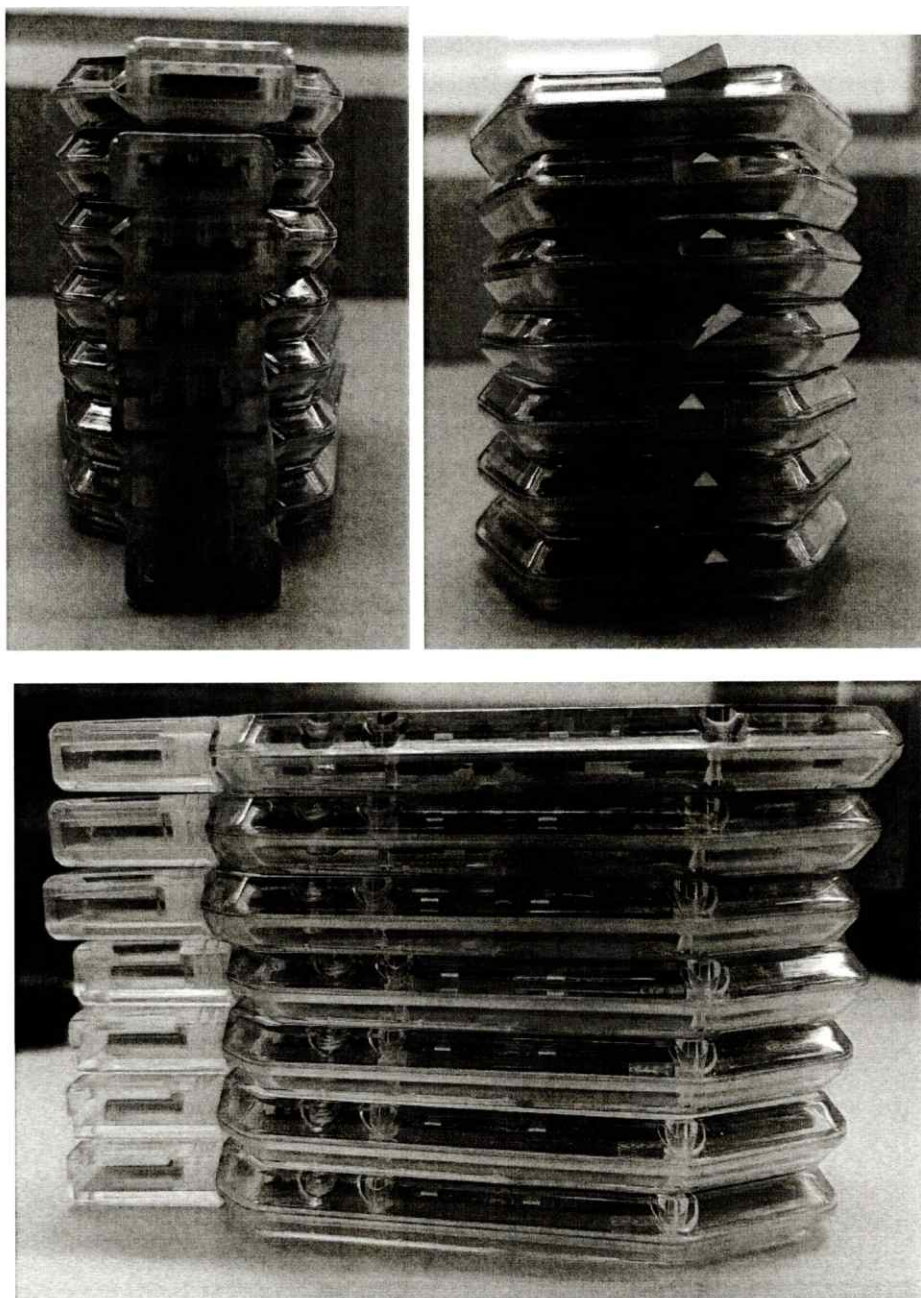
13	Alarm settings	Ref. specification clause 4.2.12	High alarm setting: Exposure to a single temperature event of +8°C or above for 10 hours. Low alarm setting: Exposure to a single temperature event of -0.5°C or below for 60 minutes.	Conform
14	Casing construction	Ref. specification clause 4.2.14	Non-corrodible plastics.	Conform
15	IP rating	Ref. specification clause 4.2.15	IP64 and IP67 (Sample nominal IP67)	Conform
16	Battery type and claimed battery performance	Ref. specification clause 4.2.16	Non-rechargeable lithium battery, with a maximum shelf life of two year.	Conform
17	Circuit design for electromagnetic compatibility	Ref. specification clause 4.2.17	EN Certified.	Conform
18	Sensor lead protection	Ref. specification clause 4.2.18	Integrated sensor devices.	NA
19	PC interface	Ref. specification clause 4.2.19	LCD query data; With USB interface and computer interface	Conform
20	Over-range protection	Ref. specification clause 4.3.1	-30°C to +55°C	Conform
21	Humidity resistance	Ref. specification clause 4.3.2	5% RH.to 95% RH.	Conform
22	Circuit design for resistance to electrical storms	Ref. specification clause 4.3.3	--	Conform
23	Overall dimensions	Ref. specification clause 4.4.1	Length* Width* Height: 97mm*53mm*8mm	Conform
24	Software compatibility (where relevant)	Ref. specification clause 4.5.1	with PC interface (USB)	Conform

25	User interface	Ref. specification clause 4.6.1	LCD Display, the display may switch off automatically when no button control.	Conform
26	Activation mechanism	Ref. specification clause 4.6.2	Activate the product through the switch.	Conform
		Ref. specification clause 4.6.3	No control to de-activate.	
27	Mounting device	Ref. specification clause 4.6.4	--	Conform

Verification Item	Reference	Remarks	Conform / Not Conform
Materials and Construction			
1	Materials of all major visible components	Plastic case	Conform
2	Major rectangular dimensions (1 mm)	Length* Width* Height: 97mm*53mm*8mm	Conform
3	Special features (where relevant)	LCD Visible alarm	Conform
4	Presence of dust and moisture-proofing seals	IP67	Conform
Warranty			
1	Warranty	Warranty terms defined in Operation Manual	Conform
Instructions			
1	Instructions	Ref. specification clause 4.11 User manual in English.	Conform

4.1.5 Step 5: Photograph





4.2 Test 2: Resistance to dropping and vibration

Test Step	Description						Acceptance/Rejection
Step 1	Cool the sample to 0°C. Drop the sample five times from a height of 1 meter onto a hard floor, and from different angles.						Acceptance
	Sample	Front	Rear	Top	Bottom	Left(Right)	
	1	No physical damage	No physical damage	No physical damage	No physical damage	No physical damage	
	2	No physical damage	No physical damage	No physical damage	No physical damage	No physical damage	
3	No physical damage	No physical damage	No physical damage	No physical damage	No physical damage		
Step 2	Mount the sample on a programmable vibrating table. Vibrate for 30 minutes at an amplitude of 10 mm, (20 mm peak-to-peak), with the frequency varying between 2 Hz and 10 Hz at a rate of change (up and down) of 1 octave/minute.						
	1	No physical damage					
	2	No physical damage					
	3	No physical damage					

4.3 Test 3: Calibration and measurement accuracy

Standard temperature Sample No	+10°C			+5°C			0°C			Acceptance/Rejection
	Stable display time (min)	Reading data	Measurement error	Stable display time (min)	Reading data	Measurement error	Stable display time (min)	Reading data	Measurement error	
1	15	+9.9°C	-0.1°C	15	+4.9°C	-0.1°C	15	0°C	0	Acceptance
2	15	+10°C	0	15	+5°C	0	15	0°C	0	
3	15	+10°C	0	15	+5°C	0	15	+0.1°C	+0.1°C	
Marked 1	15	+10°C	0	15	+5°C	0	15	0°C	0	
Marked 2	15	+9.9°C	-0.1°C	15	+5°C	0	15	0°C	0	
Marked 3	15	+10°C	0	15	+5°C	0	15	0°C	0	

4.4 Test 4: Variation of performance with ambient temperature: (this test only applies to devices with remote sensors)

Not apply.

Temperature in test chamber 'A' Sample No	Test 3		+43°C		+5°C		Acceptance/Rejection
	Reading data	Measurement error	Reading data	Measurement error	Reading data	Measurement error	
1	--	--	--	--	--	--	--
2	--	--	--	--	--	--	
3	--	--	--	--	--	--	
Marked 1	--	--	--	--	--	--	
Marked 2	--	--	--	--	--	--	
Marked 3	--	--	--	--	--	--	
	--	--	--	--	--	--	

4.5 Test 5: Alarm test

Test Step	Project Type	Test sample	Test chamber temperature	Time	Reading data	Remarks	Acceptance/Rejection
Step 2	low alarm	Sample 1	-1°C	60mins	-1°C	--	Acceptance
		Sample 2	-1°C	60mins	-1°C		
		Sample 3	-1°C	60mins	-0.9°C		
		Sample 4	-1°C	60mins	-1°C		
		Sample 5	-1°C	60mins	-0.9°C		
		Sample 6	-1°C	60mins	-0.9°C		
Step 3	Low alarm continuity	Sample 1	+2.5°C	alarm	+2.3°C	--	Acceptance
		Sample 2	+2.5°C	alarm	+2.4°C		
		Sample 3	+2.5°C	alarm	+2.4°C		
		Sample 4	+2.5°C	alarm	+2.4°C		
		Sample 5	+2.5°C	alarm	+2.4°C		
		Sample 6	+2.5°C	alarm	+2.4°C		
Step 4	high alarm	Sample 1	+8.5°C	10h	+8.5°C	--	Acceptance
		Sample 2	+8.5°C	10h	+8.4°C		

		Sample 3	+8.5°C	10h	+8.4°C		
		Sample 4	+8.5°C	10h	+8.4°C		
		Sample 5	+8.5°C	10h	+8.6°C		
		Sample 6	+8.5°C	10h	+8.6°C		
Step 5	high alarm continuity	Sample 1	+5°C	alarm	+5°C	--	Acceptance
		Sample 2	+5°C	alarm	+4.9°C		
		Sample 3	+5°C	alarm	+4.9°C		
		Sample 4	+5°C	alarm	+4.9°C		
		Sample 5	+5°C	alarm	+5.1°C		
		Sample 6	+5°C	alarm	+5.1°C		

4.6 Test 6: Exposure to over-range and under-range temperatures

Test Step	Description						Remarks
Step 1	Place inactivated sample, complete with sensor, in a +55°C test chamber for one hour. Remove from chamber and allow sample to return to room temperature.						No distortion or permanent damage
Step 2	Place sample, complete with sensor, in a -30°C test chamber for one hour. Remove from chamber and allow sample to return to room temperature.						
Step 3	Repeat Test 3 and record the results						--
Standard temperature Sample No	+10°C		+5°C		0°C		Acceptance/Rejection
	Reading data	Measurement error	Reading data	Measurement error	Reading data	Measurement error	
Sample 7	+10°C	0	+4.9°C	-0.1°C	+0.1°C	+0.1°C	Acceptance

4.7 Test 7: IP rating test to IEC 60529

Obtain an independent test report from the manufacturer showing full conformity with IEC 60529: IP64. Only if this is not available:

Sample number	Description	Acceptance/Rejection
Sample 1	Carry out IP64 and IP67 test on the sample	Acceptance

4.8 Test 8: Pause function test

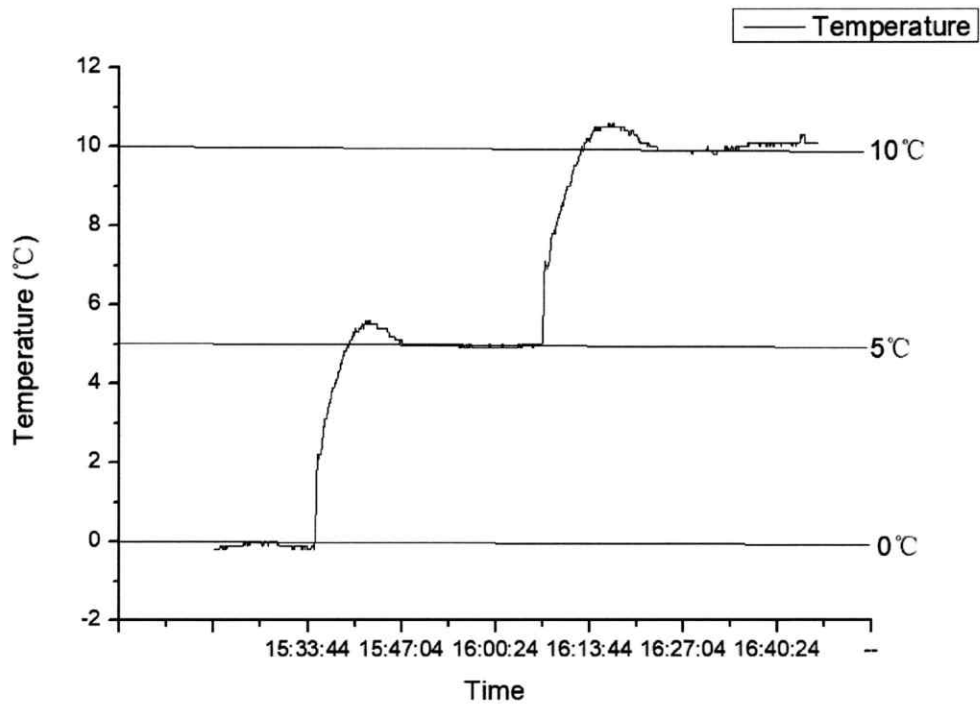
Test Step	Description	Results		Acceptance/Rejection
Step 1	Place samples in a refrigerator at $+5^{\circ}\text{C} \pm 3^{\circ}\text{C}$ for a minimum of 24 hours.	The clock readings are correct. No record of temperature excursions outside the temperature range of the refrigerator ($+2^{\circ}\text{C}$ to $+8^{\circ}\text{C}$) in either of the devices.		Acceptance
Step 2	Remove samples and press a button to trigger the 'paused' state. Place in a $+25^{\circ}\text{C}$ environment for 10 minutes.			
Step 3	At the end of the 10 minute period, confirm that the current temperature reading. Using the read function, check statistics for the previous 24 hour period on both samples	Sample no	results	
		1	25.0°C	
		2	24.9°C	

4.9 Test 9: Observer perception test

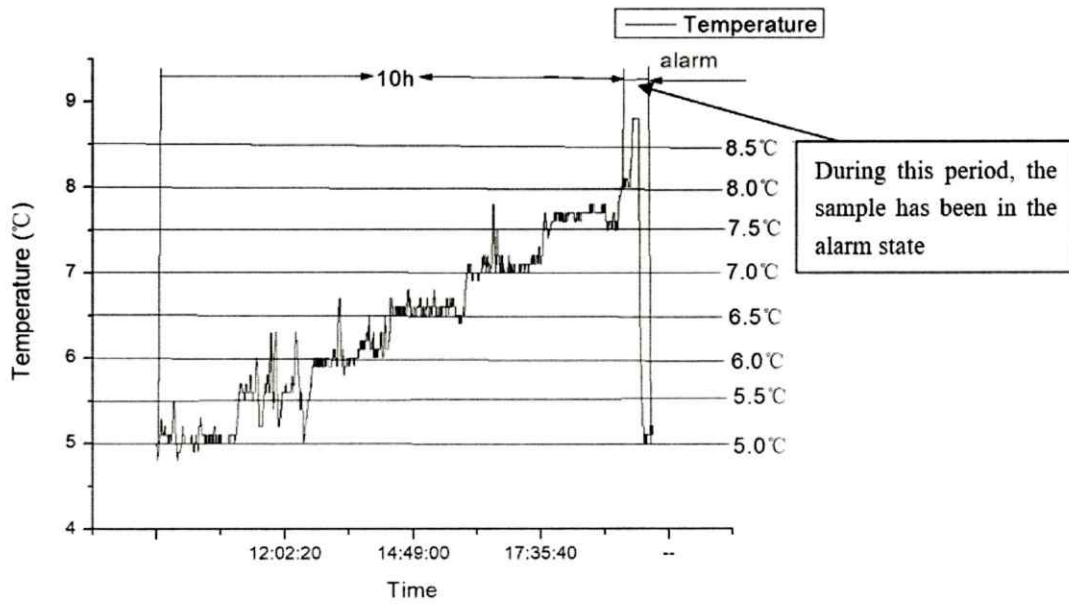
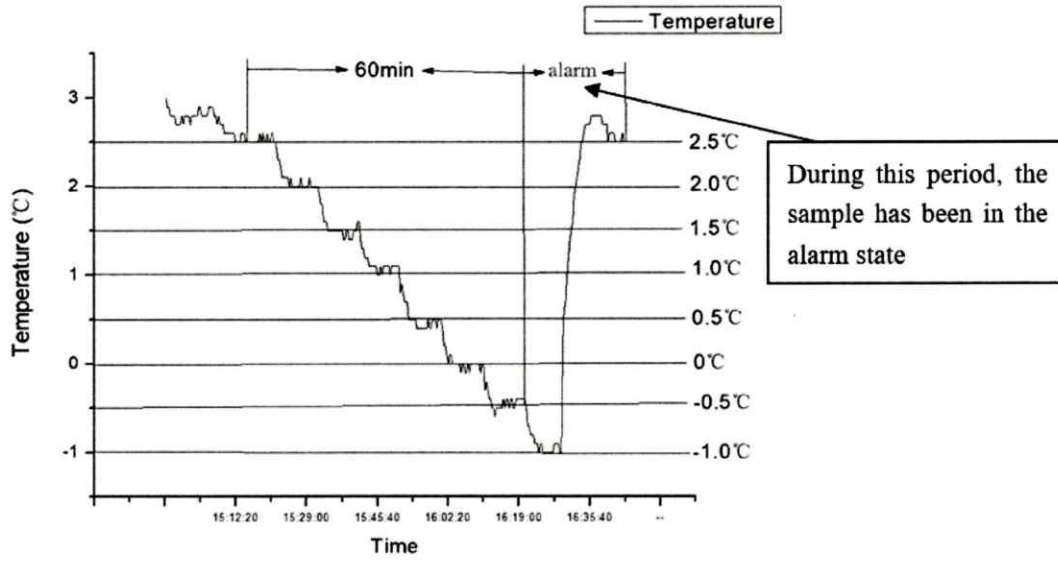
Observation Project	type of alarm	temperature	Acceptance/Rejection
Observers No			
1	low alarm	$+25.0^{\circ}\text{C}$	Acceptance
2	low alarm	$+25.7^{\circ}\text{C}$	
3	high alarm	$+26.8^{\circ}\text{C}$	
4	high alarm	$+24.6^{\circ}\text{C}$	
5	Pause	$+25.1^{\circ}\text{C}$	

Appendix:

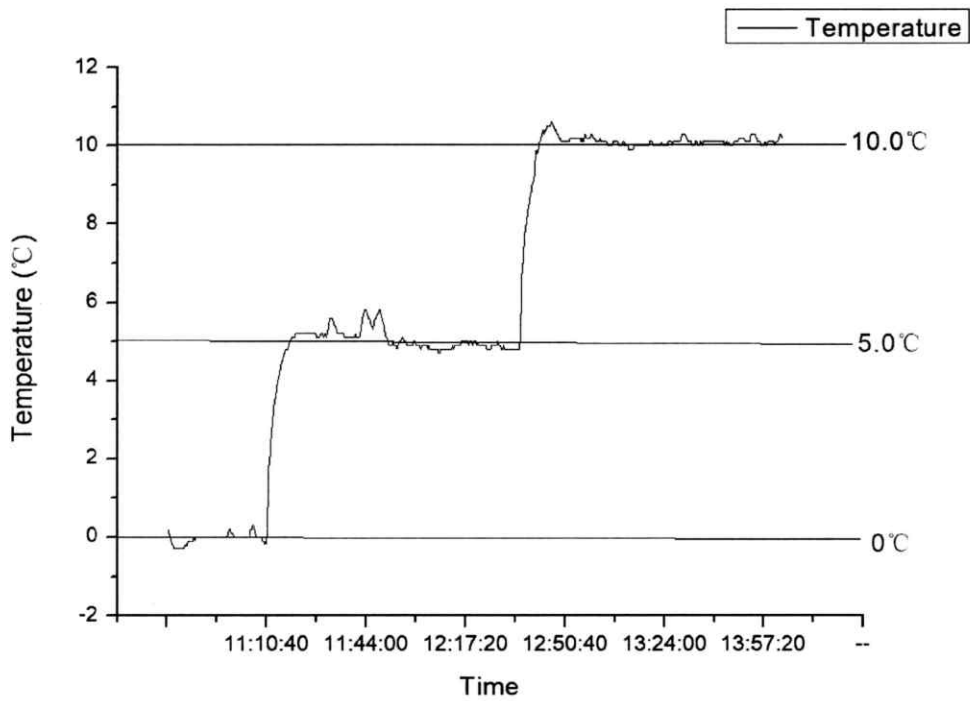
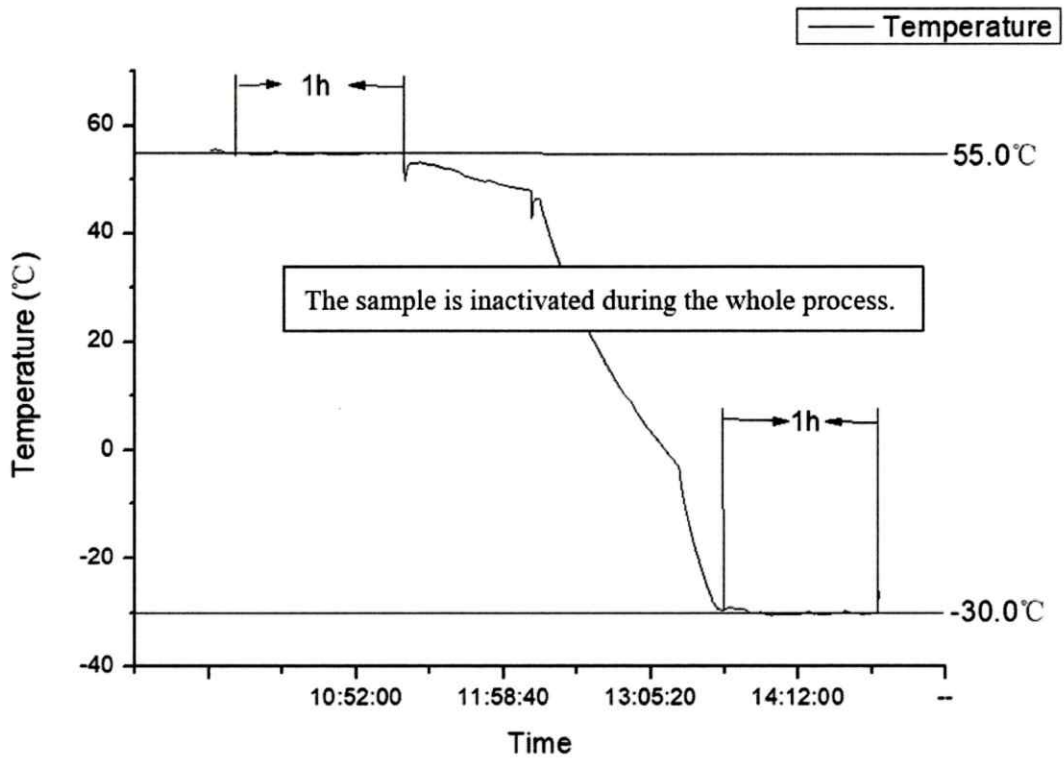
1. Test chamber temperature records



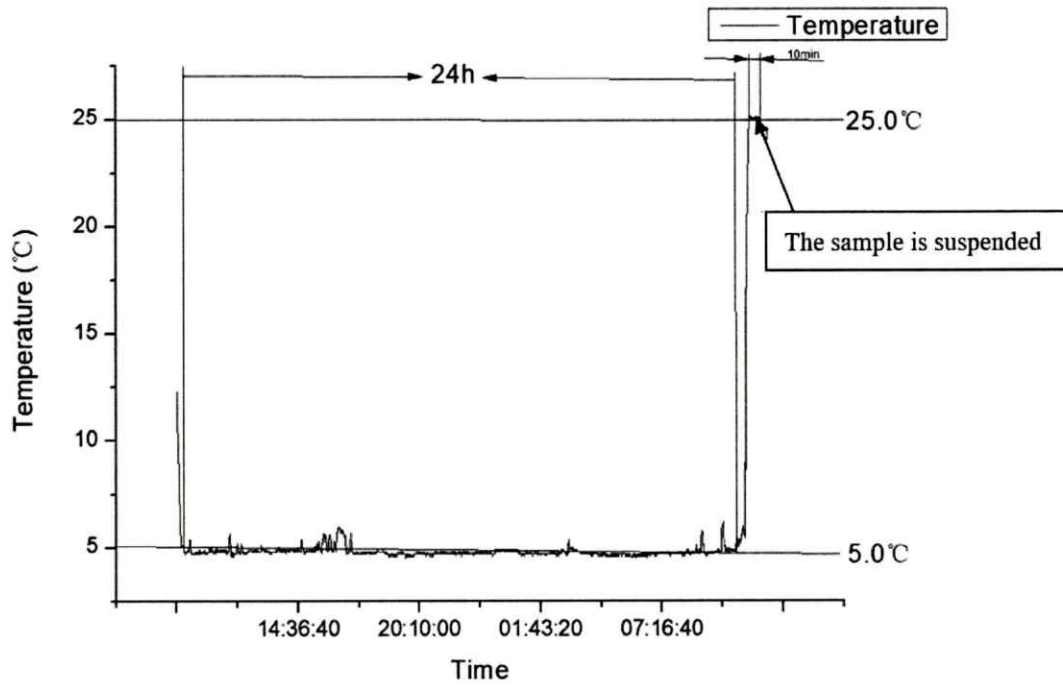
Test 3: Calibration and measurement accuracy



Test 5: Alarm test



Test 6: Exposure to over-range and under-range temperatures



Test 8: Pause function test

2. Copy of reference thermometer calibration certificate(s)



中国认可
国际互认
校准
CALIBRATION
CNAS L3984

X

中国家用电器研究院校准实验室

校准证书

证书编号: 工字第 2020-0607 号

客户名称 中家院(北京)检测认证有限公司
(中国家用电器检测所)

客户地址 北京市大兴区博兴八路3号

计量器具名称 温度记录仪

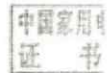
型号/规格 DX2040-1-4-3

出厂编号 S5H308413 (03.08.117)

制造单位 日本横河



批准人 李伟
 核验员 范欣
 校准员 吴嘉宝



接收日期 2020年12月01日 校准日期 2020年12月03日 签发日期 2020年12月04日

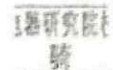
地址: 北京市西城区下斜街29号
邮编: 100053

电话: 010-63043607
EMAIL: jdjlx@126.com

证书编号: T字第 2020-0607 号

本单位经中国合格评定国家认可委员会评审,符合 ISO/IEC 17025:2017《检测和校准实验室能力的通用要求》的要求,认可证书号: No.CNAS L3984.

本次校准所依据的技术文件(代号,名称):
JJF1171-2007 温度巡回检测仪校准规范.
本次校准所使用的主要计量标准器具信息:
设备名称;型号;编号;测量范围;不确定度/最大允差/准确度等级;计量证书编号及有效期;量值溯源机构.
<p>1、标准水银温度计:棒式(-30~300)℃;TC008(1-7);(-30~300)℃;0.010℃(A-2);RA19S-AB000013;RA19S-AB000011;RA19S-AB000006;RA19S-AB000012;RA19S-AB000010;RA19S-AB000007;RA19S-AB000009;2021年10月14日;北京市计量检测科学研究院.</p> <p>2、干式计量炉:9190A;B76564;(-95~140)℃;0.03℃(A-2);TH20-7581;2022年12月08日;北京东方计量测试研究所.</p> <p>3、恒温油槽:CS604;91087; (100~300)℃;0.004℃(A-2);RC19S-DA000204;2021年05月15日;北京市计量检测科学研究院.</p>
校准地点:北京市西城区下斜街29号404室.
校准环境条件:21℃、50%RH.
<p>声明:</p> <ol style="list-style-type: none"> 1. 本单位仅对加盖“中国家用电器研究院校准实验室校准专用章”的完整证书负责; 2. 本证书的校准结果仅对所校准计量器具有效; 3. 校准项目不超出中国合格评定国家认可委员会授权项目范围.



证书编号: T字第 2020-0607 号

校准结果

一、温度校准


标准值 (℃)	被校准示值 (℃)						不确定度 U (k=2)
	CH01	CH02	CH03	CH04	CH05	CH06	
0.00	0.0	0.0	0.1	0.0	-0.1	-0.1	0.072℃
50.00	50.1	50.0	50.1	49.9	50.0	50.1	0.072℃
100.00	99.8	100.1	99.8	100.2	99.8	100.1	0.065℃
150.00	149.8	150.2	149.8	150.0	150.2	149.8	0.10℃
200.00	199.8	200.3	200.2	199.9	200.1	200.2	0.11℃
标准值 (℃)	被校准示值 (℃)						不确定度 U (k=2)
	CH07	CH08	CH09	CH10	CH11	CH12	
0.00	0.0	-0.1	0.0	0.2	0.0	-0.2	0.072℃
50.00	49.9	50.1	50.2	49.8	49.8	49.9	0.072℃
100.00	100.0	100.0	99.8	99.9	100.0	99.8	0.065℃
150.00	149.9	150.1	149.8	149.9	150.1	150.1	0.10℃
200.00	200.0	200.1	200.0	200.1	199.8	199.9	0.11℃
标准值 (℃)	被校准示值 (℃)						不确定度 U (k=2)
	CH13	CH14	CH15	CH16	CH17	CH18	
0.00	0.1	0.2	-0.1	0.2	0.1	-0.1	0.072℃
50.00	50.1	49.8	50.0	50.2	50.0	50.1	0.072℃
100.00	99.8	99.8	100.2	100.1	100.0	100.0	0.065℃
150.00	150.1	149.9	149.9	150.1	150.1	149.8	0.10℃
200.00	200.1	199.8	200.2	200.2	199.8	200.2	0.11℃
标准值 (℃)	被校准示值 (℃)						不确定度 U (k=2)
	CH19	CH20	CH21	CH22	CH23	CH24	
0.00	-0.1	0.1	0.1	0.0	0.1	0.1	0.072℃
50.00	50.1	50.2	49.9	50.2	49.8	49.9	0.072℃
100.00	99.9	99.9	99.8	100.1	99.8	99.8	0.065℃
150.00	150.1	149.8	150.1	149.8	150.0	150.0	0.10℃
200.00	200.0	200.0	200.1	199.8	200.0	200.1	0.11℃
标准值 (℃)	被校准示值 (℃)						不确定度 U (k=2)
	CH25	CH26	CH27	CH28	CH29	CH30	
0.00	0.1	0.1	0.0	-0.1	0.1	0.2	0.072℃
50.00	50.1	50.1	50.1	49.8	50.0	49.9	0.072℃
100.00	100.1	100.1	99.9	100.2	99.9	99.9	0.065℃
150.00	150.2	149.9	150.1	150.1	150.1	149.9	0.10℃
200.00	200.0	199.8	200.0	199.9	200.1	200.1	0.11℃



以下空白。

第 3 页, 共 3 页


3. CE certificate

 <p>ISTITUTO SERVIZI EUROPEI TECNOLOGICI</p>	ISET S.r.l.		
	Sede Legale e Uffici	Cap. soc. i.v.	€ 10.200,00
	Via Donatori di sangue, 9 - 46024 Magla (MN)	Cod. Fisc. e P.IVA Reg. Imprese	02 332 750 365
	Tel. e fax +39 (0)376 558963	REA	02 332 750 365
www.iset-italia.eu iset@iset-italia.com	Cap. soc. i.v.	MN 0221096	

CERTIFICATE


Certificat - Certificado - Сертификат - Zertifikat - 證書

- 1) **APPLICANT:** (who finally puts the product on the market)
Elitech Technology, Inc.
1551 McCarthy Blvd, Suite 112, Milpitas, CA 95035
MANUFACTURER:
Jiangsu Jingchuang Electronics Co.,Ltd
No.1 Huangshan Rd. Tongshan Economic Development Zone Xuzhou Jiangsu China
- 2) **CERTIFICATE NO.:** I/SETC.000220190627
FILE REFERENCE: SCC(19)-30226A-10 (China CEPREI (Sichuan) Laboratory)
- 3) **ISET MARK:**




- 4) **CAUTION ABOUT CE MARKING** (Instruction for the Applicant who puts the product on the EU market):


The label of the CE Marking on the left side should be not less than 5mm height. CE Marking and EC Declaration of Conformity are duties for the manufacturer or its applicant who puts the product on the market. This one is responsible to start the CE marking and certification procedure as required by the legislation in force. Only for the products which are compulsorily included into specific Directives or Regulations will be necessary to appoint a Notified Body.
- 5) **TYPE OF PRODUCT:** Single-Use PDF Data Logger
MODEL(S): loget 1, loget 1 TH, loget 1 Bio
- 6) **LIST OF DIRECTIVES / REGULATIONS /STANDARDS** (as declared by the manufacturer itself)
EN 12830:1999
- 7) **NOTE:** The applicant is aware about the contents and information included in the ModCOM04.06 Regulation for this type of Certificate that is considered totally accepted. The latest revision of the Regulation is available and can be downloaded from the website www.iset-italia.eu. This document is not referred to any evaluation that could be considered as included in the scope of the activities covered by the standard BS EN ISO/IEC 17065:2012 or European Regulation 765/2008.
- 8) **REMARK:** Certificate is issued on voluntary application from the Client and it gives to the applicant the right to use and affix the ISET Mark (at point 3) on their products, even if it doesn't imply any assessment on the safety and compliance of the product. ISET declares that the only scope of the assessment is to verify the existence of the declaration issued by the manufacturer or an applicant under its own responsibilities.
- 9) **DATE OF ISSUE:** 27/06/2019 **EXPIRY DATE:** 26/06/2024
- 10) **SIGNATURE:** Miriam Camplone
(On behalf of the Legal representative)



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4. Calibration certificate

 Certificate No. TR320175003 Page 1 Of 3

Nanjing Test Technology Co., Ltd

Calibration Certificate

  PUBLIC
SERVICE
FOR
CALIBRATION
QUALITY

Client Elitech Technology , Inc.


Address 1551McCarthyBlvd, Suite112, Milpitas, CA
95035

Description Temperature Recorder

Model/Type LogEt 1

No. of instrument / _____ **Asset No.** EML194200027

Manufacturer Elitech Technology , Inc.



Approved by Yuhe Cao **Position** Chief Engineer

Approved Date 2020^{year}04^{month}24^{day} **Cal. Date** 2020^{year}04^{month}24^{day}

Add : No.2881, Shuanglong Road, Nanjing
Tel: 025-52727327 P.C : 211102
Fax : 025-52727327



Certificate No. TR320175003

Page 2 Of 3

All datas are traceable to International System of Units(SI)and 《 Requirements on the Metrological Traceability of Measurement Results》. This laboratory has been assessed by ISO/IEC17025: 2005 《Accreditation Criteria for the Competence of Testing and Calibration Laboratories》. In the measurement process, when the test conditions are AC, without special indication, refers to the 50Hz conditions. The measurement results are only related to the current status of Unit; When the instrument is repaired or adjusted, it should be calibrated. The certificates must not be partially duplicated except with, prior written approval from the issuing laboratory. Reference document JJF1059.1-2012 《Evaluation and Expression of Uncertainty in Mearsurement》. The part with " * " and non-calibration meters are not covered CNAS in this report.

For assure metrological characteristic of tester,
propose the calibration validity period: 12 Months
Receive Date: 2020Year04Month24Day

Tested by: Yu Zhang Inspected by: Song Chen

Environmental condition during the calibration:

Temp : 22 °C R. H. : 55 %RH

Place of the calibration: TST Calibration Room No. 2

Remarks:

Reference documents for this calibration

JJF(Su)95-2010 《Calibration Specification for Digital Thermometer》

Main measurement standard(s) used during this calibration:

Name	Serial No.	Uncertainty or Accuracy Class or MPE	Certificate No. /Due Date	Traced by
dry-point instrument	43010823	dry-point : $\pm 0.17^{\circ}\text{C}(k=2)$ Temp : $\pm 0.03^{\circ}\text{C}(k=2)$ Humidity: $\pm 0.8\%RH(k=2)$	23020000535-0003A/2021-03-03	China Ceptel
Temperature Humidity Test Chamber	10712093	Temperature Fluctuation: $\pm 0.2^{\circ}\text{C}$ Temperature Uniformity: $\pm 0.3^{\circ}\text{C}$ Humidity Fluctuation: $\pm 0.8\%RH(20^{\circ}\text{C})$ Humidity Uniformity: $\pm 1.0\%RH(20^{\circ}\text{C})$	TR170023001/2021-01-07	Nanjing Test Technology Co., Ltd



Certificate No. TR320175003

Page 3 Of 3

Results of calibration

- 1. Appearance: Normal;
- 2. Interaction: Normal;
- 3. Cal. Indication :

Items	Cal. Point (°C)	Reference (°C)	Indicated (°C)	Error (°C)	MPE (°C)	Uncertainty U (°C) ($k=2$)
Temp. Indication	-20	-19.98	-19.9	0.1	± 0.5	0.5
	0	0.01	-0.2	-0.2	± 0.5	0.5
	40	40.02	39.7	-0.3	± 0.5	0.5

No data below

NOTICE

- 1、 The test report is invalid without “special stamp for inspection and testing” or official stamp of testing institute.
- 2、 The copy of test report is invalid when it is not re-stamped “special stamp for inspection and testing” or official stamp of testing institute.
- 3、 The test report is invalid when there are no signatures at “Tested by”, “Reviewed by” and “Approved by”.
- 4、 The test report is invalid when it is altered.
- 5、 If there is any disagreement with the test report, the formal notice shall be provided within 15 days from the test report being received. Otherwise, it shall not be accepted.
- 6、 The entrusted testing only has the responsibility for the samples.
- 7、 The copy of test report shall be provided by China Testing & Inspection Institute For Household Electric Appliances. The reproduction of any part is not allowed without written permission.
- 8、 The report without the “CMA” stamp shall not have a certifying effect on the society

Address1: No.3, Boxing Balu, Beijing Economic and Technological
Development Area, Beijing, China/100176

Address2: No.29, Xiaxie Street, Xicheng District, Beijing, China/100053

Tel: 010-58083700/58083800

Fax: 010-58083766/58083788

E-mail: testing@cheari.com