

校准证书

CALIBRATION CERTIFICATE

证书编号:

Certificate No.



J202210243738B-0001-G1

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委托方

Client

NORTHCLIFFE LIGHTING,UAB

联络信息

Contact Inf.

Raudondvario pl.101 LT-47184,Kaunas,Lithuania

仪器名称

Description

High-low temperature test chamber

型号/规格

Model/Type

GDJS-020C

制造厂

Manufacturer

Lisungroup

出厂编号

Serial No.

SOLS20230072

管理号

Asset No.

接收日期

Receipt Date

2023年06月21日

Y M D

校准日期

Cal. Date

2023年06月21日

Y M D

发布日期

Issued Date

2023年07月15日

Y M D

批准

Approved by

张磊

张磊

审核

Inspected by

胡伟伟

胡伟伟

校准

Calibrated by

张磊

张磊

证书专用章

(Stamp)

总部地址(Headquarters Add.): 广东省广州市黄埔大道西平云路163号

No.163.Pingyun Rd, West of HuangPu Ave.Guangzhou Guangdong China

实验室地址(Add.of the Lab): 江苏无锡太湖国际科技园菱湖大道200号

No.200,Linghu Road,Taihu ISTEP,Xinwu District,Wuxi,Jiangsu,China

联系电话(Tel.):400-602-0999

邮政编码(Postcode):510656

网站(Website):http:// www.grgtest.com

电子邮件(E-mail):grgtest@grgtest.com



扫一扫验真伪

校准说明 DIRECTIONS OF CALIBRATION

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- 1.本实验室的质量管理体系符合ISO/IEC 17025:2017标准的要求,校准结果均可溯源至国际单位制(SI)。(The quality system is in accordance with ISO/IEC 17025:2017,the calibration results are traceable to the International System of Units (SI).)
- 2.本结果仅对本次校准样品有效。未经实验室批准,不得部分复制。如有疑问请在15个工作日内反馈。(The result is only valid for the calibrated sample.The certificate shall not be reproduced except in full,without the written approval of our laboratroy .please feedback to us within 15 days if you have any question.)
- 3.本证书编号具有唯一性,后缀若带有“-Gx”的证书为替换证书,自发出后原证书即刻作废。(Each certificate has a unique number. The suffix of "-Gx" will be added to the number as a replacement of the old version. The original certificate will be officially invalid once the new certificate number is issued.)
- 4.证书中最大允许误差、判定结果仅供参考,其中“P”代表“合格”,“F”代表“不合格”,“N/A”代表“不适用”。使用人员应结合实际测量需求,评估测量不确定度对符合性评定的影响。(MPE & judgement result in the datasheet is only for reference , "P" is "Pass" , "F" is "Fail" and "N/A" is "Not Applicable".Whereas users should evaluate the effects of MU of calibration results on conformance assessment by actual measurement.)
- 5.本次校准的技术依据及CNAS认可范围,超出范围的内容未被认可。详细认可范围请查看CNAS网站证书附件。(Reference document and accredited scope by CNAS for calibration, beyond which isn't accredited. Please see the attachment of certificate on CNAS website for details.)

JJF1101-2019环境试验设备温度、湿度参数校准规范(C.S. of Environmental Testing Equipment for Temperature and Humidity Parameters) 湿度: (10~95)%RH 温度: (-80~300)°C

6. 本次校准使用的主要测量标准(Main Standards of Measurement Used in the Calibration.):

名称	编号	证书号/有效期	溯源机构	技术特征
Description	Serial No.	Certificate No./ Due Date	Traceability Institute	Technique Character
实时无线多通道温度采集系统	20106	J202210172277- 0016 2023-11-12	广州广电计量检测股份有限公司	温度MPE:±0.3°C

7. 校准地点、环境条件(Place and environmental conditions of the calibration):

地点	客户一层车间	温度	25	°C	相对湿度	55	%
Place		Temperature			Relative Humidity		

8. 建议复校时间间隔: 1年,送校单位也可按实际使用情况自主决定。

Suggested calibration interval is 1 year or it can be altered depending on the actual usage of the user.

校准结果 RESULTS OF CALIBRATION

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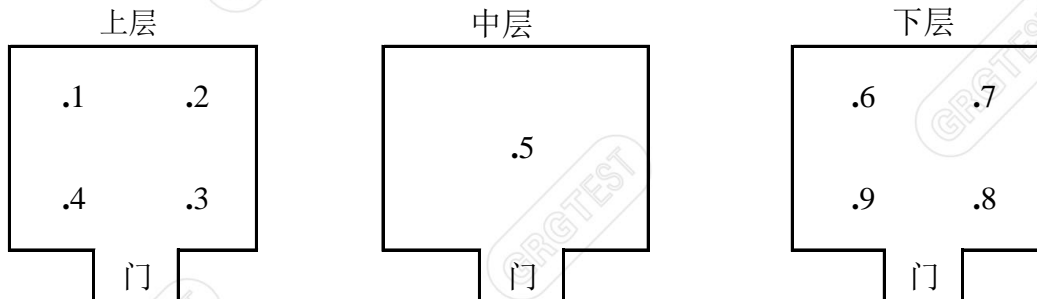
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(一): 温度测量

1 测量点布置图 (Measurement point graph):



2 温度测量 (Temperature measurement):

设定值 (Setting): 50.00 °C

指示值 (Indicated): 50.00 °C

测量点 (Measuring point)	最大值 (Max)	最小值 (Min)
温度(Temp.)	(°C)	(°C)
1	49.94	49.77
2	50.03	49.89
3	48.78	48.64
4	49.84	49.71
5	48.87	48.69
6	48.92	48.74
7	49.70	49.57
8	49.23	49.14
9	49.83	49.74

	允许误差 (MPE)	结论(P/F)
温度偏差(Temp deviation)	上偏差 +0.03 °C ±2.00 °C	P
	下偏差 -1.36 °C ±2.00 °C	P
温度波动度 (Temp fluctuation):	±0.09 °C ±0.50 °C	P
温度均匀度 (Temp uniformity):	1.24 °C 2.00 °C	P

校准结果 RESULTS OF CALIBRATION

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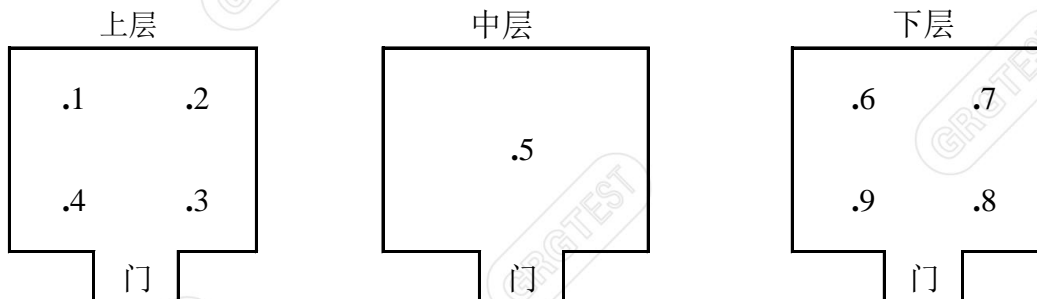
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(二): 温度测量

1 测量点布置图 (Measurement point graph):



2 温度测量 (Temperature measurement):

设定值 (Setting): 100.00 °C

指示值 (Indicated): 100.00 °C

测量点 (Measuring point)	最大值 (Max)	最小值 (Min)
温度(Temp.)	(°C)	(°C)
1	100.30	99.96
2	101.05	100.87
3	99.65	99.05
4	100.51	100.27
5	99.71	99.32
6	99.74	99.27
7	100.93	100.76
8	100.90	100.71
9	101.08	100.93

	允许误差 (MPE)	结论(P/F)
温度偏差(Temp deviation)	上偏差 +1.08 °C ±2.00 °C	P
	下偏差 -0.95 °C ±2.00 °C	P
温度波动度 (Temp fluctuation):	±0.30 °C ±0.50 °C	P
温度均匀度 (Temp uniformity):	1.67 °C 2.00 °C	P

校准结果 RESULTS OF CALIBRATION

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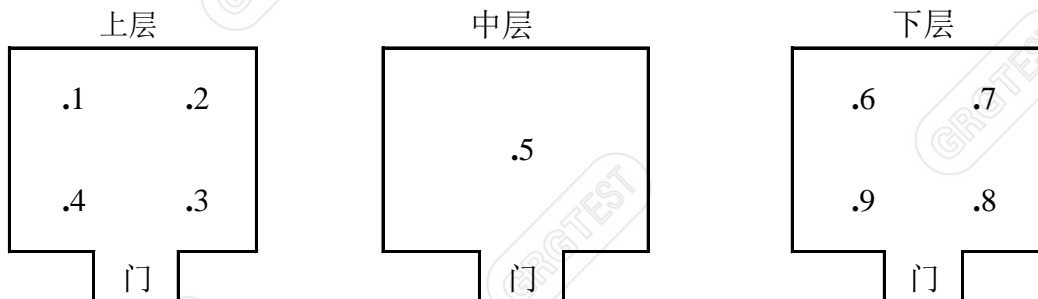
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(三): 温度测量

1 测量点布置图 (Measurement point graph):



2 温度测量 (Temperature measurement):

设定值 (Setting): 150.00 °C

指示值 (Indicated): 150.00 °C

测量点 (Measuring point)	最大值 (Max)	最小值 (Min)
温度(Temp.)	(°C)	(°C)
1	149.61	149.42
2	150.90	150.85
3	149.73	149.44
4	150.11	149.99
5	149.52	149.25
6	149.40	149.25
7	150.69	150.61
8	150.68	150.61
9	150.84	150.77

	允许误差 (MPE)	结论(P/F)
温度偏差(Temp deviation)	上偏差 +0.90 °C ±2.00 °C	P
	下偏差 -0.75 °C ±2.00 °C	P
温度波动度 (Temp fluctuation):	±0.14 °C ±0.50 °C	P
温度均匀度 (Temp uniformity):	1.54 °C 2.00 °C	P

校准结果 RESULTS OF CALIBRATION

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(四): 控制器: 正常

The controller: Normal

备注:

Notes:

- 1 结论(Conclusion): 所校项目符合技术要求
- 2 按用户要求指定温度点校准(Specify temperature point by user);
- 3 各校准点位置与工作室内壁的距离不小于各边长的1/10;
(The distance between the position of calibration and the inner wall isn't less than 1/10 of each side);
- 4 校准时设备处于 空载 状态。(Load of equipment: idling)
- 5 本次测量结果扩展不确定度(Expanded uncertainty of the measurement results) :
温度(Temperature): $U = 0.3^{\circ}\text{C}$, $k=2$;
- 6 依据(Reference document)
JJF 1059.1-2012 测量不确定度评定与表示
(JJF 1059.1-2012 Evaluation and Expression of Uncertainty in Measurement)

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