



校准证书

CALIBRATION CERTIFICATE

证书编号: 2GB24004300-0001

Certificate No.



中国认可
国际互认
校准
CALIBRATION
CNAS L13344

委托单位:
Client

惠州市蓝微电子有限公司

委托方地址:
Address

惠州市仲恺高新区和畅五路西101号

仪器名称:
Description

数显式人体静电测试仪

型号规格:
Model/Type

/

制造商:
Manufacturer

深圳市海威达航科技有限公司

机身号:
Serial No.

2020149

管理号:
Asset No.

/

接收日期:
Rec. Date

2024-03-13

校准日期:
Cal. Date

2024-03-14

签发日期:
App. Date

2024-03-15

建议校准周期:
Reference Cal. Period

12个月(12 months)

结论:
Conclusion

所校准项目符合技术要求(The calibrated items meet the technical requirements)

校准:
Calibrated by

梁定恒

梁定恒

核验:
Inspected by

黄姣娜

黄姣娜

签发:
Approved by

邓志勇

邓志勇

印章:
Stamp



扫一扫查真伪

赛宝计量检测中心

总部地址: 广州市增城区朱村街朱村大道西78号

实验室地址: 广州市增城区朱村街朱村大道西78号

客服电话: 020-87237633 传真: 020-87236189

投诉电话: 020-87236896

邮件: cal@ceprei.com

网址: www.ceprei-cal.com

CEPREI Calibration and Testing Centre

HQ Addr: No.78,Zhucun Avenue West,Zengcheng District,Guangzhou,China

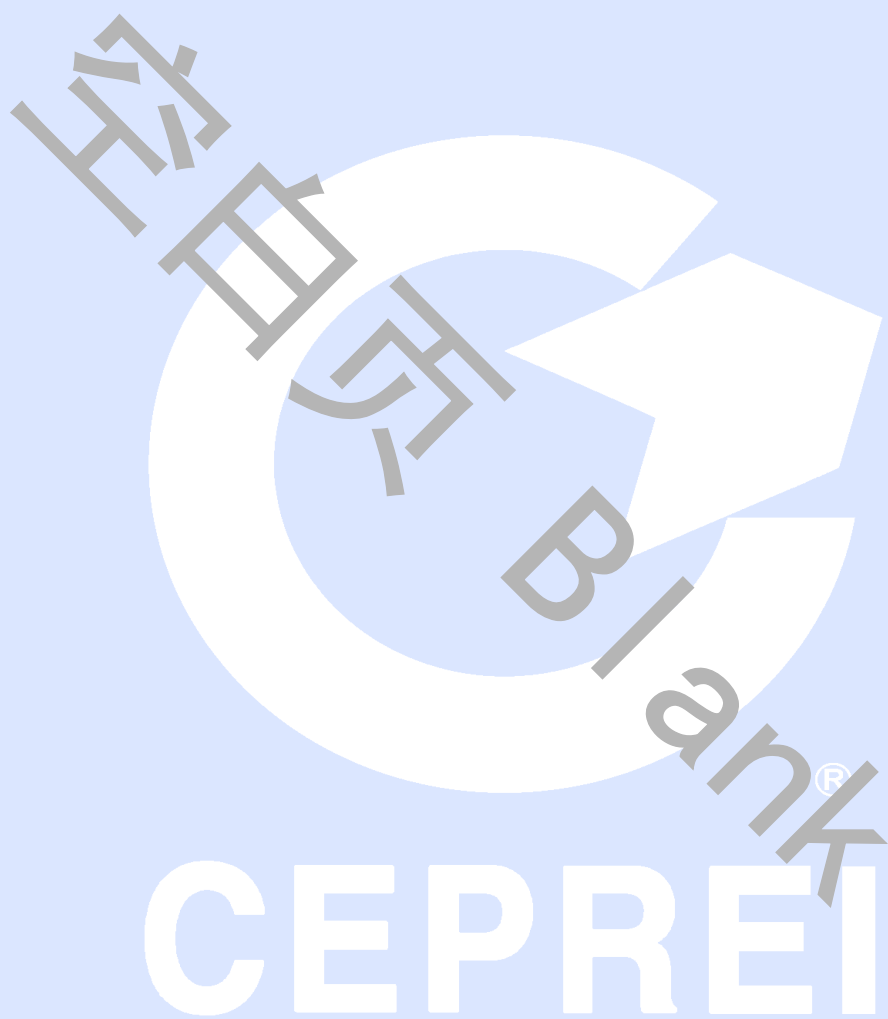
Add. of the Lab: No.78,Zhucun Avenue West,Zengcheng District,Guangzhou,China

Service Tel: 020-87237633 Fax: 020-87236189

Complaint Tel: 020-87236896

Email: cal@ceprei.com

Website: www.ceprei-cal.com



说 明

DIRECTIONS

1. 本机构质量管理体系符合ISO/IEC 17025:2017标准的要求, 获得中国合格评定国家认可委员会 (CNAS) 认可, 认可证书号为: CNAS L13344。

This laboratory quality management system meets the ISO/IEC 17025:2017 and is accredited by the China National Accreditation Service for Conformity Assessment, No. CNAS L13344.

2. 本机构出具的数据均可溯源到国际单位制 (SI) 单位和社会公用计量标准。

The data issued by this laboratory is traceable to International system of Units (SI) and national primary standards.

3. 本次校准的技术依据及CNAS认可范围(Reference documents and CNAS accredited scopes):

▪ JJF (电子) 31502-2010 静电腕带/脚盘测试仪校准规范: Resistance:100k ~350M

* 详细内容请查看CNAS网站中注册编号为L13344的证书附件, 超出范围的内容未被认可, 其结果/结论所依据的合格评定活动不在认可范围内。(Please see the attachment of certificate No. L13344 at CNAS website for details, beyond which is not accredited, the conformity assessment activities on which the results/conclusions are based are outside the scope of accreditation.)

4. 本次校准所使用的主要测量标准(The main measurement standards used during the calibration):

名称 (Description)	证书号/有效期/溯源单位 (Certificate No./Due Date/Traceability to)	技术指标 (Specification)	测量范围 (Measuring Range)
精密十进位直流电阻箱(2015-120080102)	4GC23000246-0001/2024-07-09/ 赛宝(广州)	R:±0.01%	R:1 ~1M
精密十进位直流电阻箱(101503040)	4GC23000217-0054/2024-07-18/ 赛宝(广州)	R:±0.2%	R:100k ~100G

5. 校准地点(The calibration place):

广州市增城区朱村街朱村大道西78号9栋305室

6. 环境条件(Environmental conditions):

温度(Temperature): 21.6 相对湿度(Relative Humidity): 70%

7. 本证书中给出的扩展不确定度依据JJF1059.1-2012《测量不确定度的评定与表示》评定, 由合成标准不确定度乘以包含概率约为95%时对应的包含因子 k 得到。

The extended uncertainty given in this certificate is evaluated according to JJF1059.1-2012 "Evaluation and Expression of Uncertainty in Measurement", and is calculated by multiplying the combined standard uncertainty by the coverage factor k which corresponding to the coverage probability about 95%.

8. 证书中"P"、"合格"代表"测量结果在允许范围内", "F"、"不合格"代表"测量结果不在允许范围内", "N/A"代表"不适用或技术指标暂时无法确认等"。本证书报告的结论仅供参考, 使用人员应结合实际测量的要求合理使用, 如考虑测量结果测量不确定度的影响等。

"P" and "Pass" in this certificate stand for "Low Limit the measured value High Limit", "F" and "Fail" stand for "the measured value < Low Limit or the measured value > High Limit", "N/A" stands for "Not Applicable or The technical specification has not been confirmed etc". The conclusions of this certificate are for reference only. Users should use them reasonably according to the actual measurement requirements, such as considering the impact of measurement uncertainty, etc.

9. 建议校准周期是本实验室依据本证书报告的技术依据和仪器设备常规使用条件给出的建议, 供委托方参考。委托方可以根据实际使用情况自行决定样品的校准周期。

The reference calibration period is based on the reference documents and normal operating conditions of the calibrated instrument. It is only for reference. The client may decide the calibration period of the instrument according to the actual use.

注: 1. 本证书未经本机构书面授权, 不得部分复制。(The certificate shall not be partly reproduced without written approval of the laboratory.)

2. 本次校准结果仅与被校物有关。(The results are only related to the items calibrated.)

3. "委托方"、"委托方联络信息"由委托方提供, "制造厂"、"型号规格"、"出厂编号"以及"设备编号"为仪器上标注, 委托方对上面内容如有异议, 须在收到证书后二十个工作日内提出。

The information Client and Contact Information are provided by client, and the Manufacturer, Model/Type, Serial No. and Equipment No. are marked on the items. Client shall submit any objection within 20 working days after receiving the certificate for the information above.



1. 外观与工作正常性检查(Appearance and Function Check)

无影响证书中测量结果准确度的因素和缺陷。

There are no factor and defect that affect the measurement result accuracy of the certificate.

2. 手腕带LED指示 (WRIST CORD LED INDICATION)

标准值 (Reference)	LED指示灯 (LED Indication)	结论 (Pass/Fail)
(k)		
600	Red (Low -- hazard)	P
900	Green (Pass -- in limits)	P
(M)		
28	Green (Pass -- in limits)	P
42	Red (High resistance)	P

3. 手腕带LED转换电阻 (WRIST CORD LED TRANSFER RESISTANCE)

指示灯转换 (LED Display Transfer)	标称值 (Nominal)	标准值 (Reference)	U (k=2) (k)
Red (Low) -->Green (OK)	750 (k)	750 (k)	10
Green (OK) -->Red (High)	35 (M)	35.8 (M)	0.7 (M)

4. 脚踏板LED指示 (FOOT PLATE LED INDICATION)

模式 (Mode)	标准值 (Reference)	LED指示灯 (LED Indication)	结论 (Pass/Fail)
Left	(k)		
	600	Red (Low -- hazard)	P
	900	Green (Pass -- in limits)	P
	(M)		
	80	Green (Pass -- in limits)	P
Right	120	Red (High resistance)	P
	标准值 (Reference)	LED指示灯 (LED Indication)	结论 (Pass/Fail)
	(k)		
	600	Red (Low -- hazard)	P
	900	Green (Pass -- in limits)	P
Right	(M)		
	80	Green (Pass -- in limits)	P
	120	Red (High resistance)	P

5. 脚踏板LED转换电阻 (FOOT PLATE LED TRANSFER RESISTANCE)

指示灯转换 (LED Display Transfer)	标称值 (Nominal) (k)	标准值 (Reference) (k)		<i>U</i> (<i>k</i> =2) (k)
		LEFT	RIGHT	
Red (Low) -->Green (OK)	750	758	762	10
	(M)	(M)	(M)	(M)
Green (OK) -->Red (High)	100	101	101	3

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