



校准证书

CALIBRATION CERTIFICATE

证书编号:
Certificate No.



J202001074754-0002

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委托方
Client

优利德科技（中国）股份有限公司

委托方地址
Address

广东省东莞松山湖高新技术产业开发区工业北一路6号

仪器名称
Description

数字钳形表

型号/规格
Model/Type

UT206B

制造厂
Manufacturer

UNI-T

出厂编号
Serial No.

H190301945

管理号
Asset No.

校准日期
Date of Calibration

2020年01月13日

样品接收日期
Date of Receipt

2020年01月09日

批准人:
Approved Signatory

钟毅 (副总工)

审核:
Inspected by

于炳

校准:
Calibrated by

石沛生



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

承校实验室地址(Add. of the Cal. Lab): 广东省广州市黄埔大道西平云路163号
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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.本实验室出具的数据可溯源至国家计量基准或社会公用计量标准。
(The data issued by GRGTest are traced to national primary standards or the public metrological standards.)
 - 2.本结果仅对本次校准样品有效。未经书面批准,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.证书中如有最大允许误差、判定结果,仅供参考,其中“P”代表“合格”,“F”代表“不合格”。使用人员还应结合实际测量要求,评估校准结果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" represents "Pass" and "F" represents "Fail".Whereas users should evaluate the effects of MU of calibration results on conformity determination associated with 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网站中注册编号为L0446的证书附件。(Reference document and accredited scope by CNAS for calibration, beyond which isn't accredited. Please see the attachment of certificate No.L0446 on CNAS website for details.)
- JJF 1587-2016 数字多用表校准规范(C.S. for Multimeters): (钳形电流表) 电阻: 1Ω~100MΩ 交流电压: (0.01~1000)V(40Hz~10kHz) 直流电压: (0.01~1000)V
JJF 1075-2015 钳形电流表校准规范(C.S. of Clamp Ammeters) 交流电流: (0.1~6000)A (45Hz~1kHz) 直流电流: (0.1~5000)A

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

名称 / 型号 Description / Model	编号 Serial No.	证书号/有效期 Certificate No./ Due Date	溯源机构 Traceability Institute	技术特征 Technique Character
单相交直流标准功率源 /DX-100	510086	J201912027696- 0004 2020-11-30	广州广电计量检 测股份有限公司	0.05级

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

地点 Place	广州计量电磁室	温度 Temperature	20 °C	相对湿度 Relative Humidity	50 %
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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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1、外观以及一般性检查: 正常

In view of External and Generality check : Pass

2、直流电压 (DC Voltage)

量 程 Range	标准值 Standard	示 值 Indication	误 差 Error	不 确 定 度 $U (k=2)$	允 许 误 差 MPE	结 论 Conclusion (Pass/Fail)
(mV)	590	590.3	0.3	0.6	± 7.7	P
	-590	-590.5	-0.5	0.6	± 7.7	P
(V)	0.6	0.600	0.000	0.001	± 5.003	P
	3	3.002	0.002	0.003	± 5.015	P
	5.9	5.903	0.003	0.006	± 5.030	P
	-5.9	-5.902	-0.002	0.006	± 5.030	P
60	59	59.06	0.06	0.06	± 5.30	P
	-59	-59.04	-0.04	0.06	± 5.30	P
600	590	590.6	0.6	0.6	± 8.0	P
	-590	-590.2	-0.2	0.6	± 8.0	P
1000	1000	1001	1	1	± 10	P
	-1000	-1001	-1	1	± 10	P

3、50Hz交流电压 (AC Voltage ,50Hz)

量 程 Range	标准值 Standard	示 值 Indication	误 差 Error	不 确 定 度 $U (k=2)$	允 许 误 差 MPE	结 论 Conclusion (Pass/Fail)
(V)	0.6	0.600	0.000	0.002	± 3.007	P
	3	3.002	0.002	0.008	± 3.036	P
	5.9	5.903	0.003	0.015	± 3.071	P
60	59	59.06	0.06	0.15	± 8.59	P
600	590	590.7	0.7	1.5	± 13.9	P
1000	1000	1001	1	3	± 18	P

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5、50Hz交流电流 (AC Current,50Hz)

量 程 Range	标准值 Standard	示 值 Indication	误 差 Error	不 确 定 度 $U(k=2)$	允 许 误 差 MPE	结 论 Conclusion
(A)	(A)	(A)	(A)	(A)	(A)	(Pass/Fail)
60	58	58.52	0.52	0.17	± 6.16	P
600	580	590.1	10.1	1.7	± 16.6	P
1000	950	973	23	3	± 24	P

6、电阻 (Resistance)

量 程 Range	标准值 Standard	示 值 Indication	误 差 Error	不 确 定 度 $U(k=2)$	允 许 误 差 MPE	结 论 Conclusion
(Ω)	(Ω)	(Ω)	(Ω)	(Ω)	(Ω)	(Pass/Fail)
600	590	591.5	1.5	0.3	± 8.9	P
(k Ω)	(k Ω)	(k Ω)	(k Ω)	(k Ω)	(k Ω)	
6	5.9	5.899	-0.001	0.003	± 2.059	P
60	59	58.97	-0.03	0.03	± 2.59	P
600	590	589.7	-0.3	0.3	± 7.9	P
(M Ω)	(M Ω)	(M Ω)	(M Ω)	(M Ω)	(M Ω)	
6	5.9	5.898	-0.002	0.003	± 8.118	P
60	59	59.09	0.09	0.03	± 9.18	P

备注:

Notes:

结论 (Conclusion): 所校项目符合技术要求

1.本报告中的扩展不确定度是由标准不确定度乘以包含概率约为95%时的包含因子 k 。The expanded uncertainty is given in the report by the standard uncertainty multiplied by the probability of about 95% when the factor k .

2.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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