

校准证书

CALIBRATION CERTIFICATE

证书编号:

Certificate No.



J201904162562-0001

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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

绝缘电阻测试仪

型号/规格

Model/Type

UT501A

制造厂

Manufacturer

UNI-T

出厂编号

Serial No.

C190488918

管理号

Asset No.

校准日期

Date of Calibration

2019年04月23日

Y M D

样品接收日期

Date of Receipt

2019年04月22日

Y M D

批准人:

Approved Signatory

审核:

Inspected by

校准:

Calibrated by

证书专用章

(Stamp)

总部地址: 广东省广州市黄埔大道西平云路163号(分场所地址见公司网站)

Headquarters Address: No.163.Pingyun Rd, West of HuangPu Ave.Guangzhou.
Guangdong.China(Each Address Can be Found on The Company's Website)

联系电话(Tel.): 020-38699960, 66830999, 400-602-0999

传真(Fax): 020-38695185

邮政编码(Postcode): 510656

网站(Website): [http:// www.grgtest.com](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. 本实验室出具的数据均可溯源至国家计量基准和国际单位制(SI)。
(All data issued by GRGTest are traced to National Primary Standards and International System of Units(SI).)
2. 本结果仅对当次被测样品有效, 如有疑问请在15个工作日内反馈。(The result is ONLY valid for the tested sample, please feedback to us within 15 working 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 measurement uncertainty 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。注: 详细的认可范围请查看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.)
JJG 1005-2005 电子式绝缘电阻表检定规程(V.R. of Electronic Insulating Resistance Meters): 电阻: 0.1MΩ~1000GΩ; 电压: (10~10000)V

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
数字多用表/287C	23850013	J201808109181-0001 2019-08-12	广州广电计量检测股份有限公司	DCV: ±0.025%; ACV: ±0.4%; DCA: ±0.15%; ACA: ±0.7%; Ω: ±0.05%
绝缘电阻表检定装置/LGZ92E	13063	J201807317115-0001 2019-08-16	广州广电计量检测股份有限公司	MPE: ±(0.2~5)%

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	22 °C	相对湿度 Relative Humidity	51 %
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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、电阻示值误差的校准:

Calibration of Resistance Value Error

测量电压 Test Voltage (V)	标准值 Standard (MΩ)	示值 Indication (MΩ)	误差 Error (MΩ)	不确定度 U(k=2) (MΩ)	允许误差 MPE (MΩ)	结论 Conclusion (Pass/Fail)
100	0.5	0.50	0.00	0.01	± 0.07	P
	1	1.00	0.00	0.01	± 0.08	P
	5	4.99	-0.01	0.04	± 0.20	P
	10	10.0	0.0	0.1	± 0.8	P
	20	20.0	0.0	0.2	± 1.1	P
	50	50.1	0.1	0.4	± 2.0	P
	100	100	0	2	± 10	P
	250	1	1.00	0.00	0.01	± 0.08
5		5.00	0.00	0.04	± 0.20	P
10		10.0	0.0	0.1	± 0.8	P
20		20.1	0.1	0.2	± 1.1	P
50		50.1	0.1	0.4	± 2.0	P
100		99	-1	2	± 10	P
200		199	-1	3	± 15	P
500		497	-3	6	± 30	P
500	1000	994	-6	12	± 55	P
	1	0.99	-0.01	0.01	± 0.08	P
	5	5.00	0.00	0.04	± 0.20	P
	10	10.0	0.0	0.1	± 0.8	P
	20	20.0	0.0	0.2	± 1.1	P
	50	50.1	0.1	0.4	± 2.0	P
	100	100	0	2	± 10	P
	200	198	-2	3	± 15	P
500	500	496	-4	6	± 30	P
	1000	994	-6	12	± 55	P



校 准 结 果
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测量电压 Test Voltage (V)	标准值 Standard (MΩ)	示值 Indication (MΩ)	误差 Error (MΩ)	不确定度 $U(k=2)$ (MΩ)	允许误差 MPE (MΩ)	结 论 Conclusion (Pass/Fail)
1000	1	1.00	0.00	0.01	± 0.08	P
	5	5.02	0.02	0.04	± 0.20	P
	10	10.0	0.0	0.1	± 0.8	P
	20	20.1	0.1	0.2	± 1.1	P
	50	50.3	0.3	0.4	± 2.0	P
	100	99	-1	2	± 10	P
	200	198	-2	3	± 15	P
	500	495	-5	6	± 30	P
1000	994	-6	12	± 55	P	

3、开路测量电压的校准:

Calibration of Open Circuit Test Voltage

标称值 Nominal (V)	实测值 Measured (V)	误差 Error (V)	不确定度 $U(k=2)$ (V)	允许值 Limit (V)	结 论 Conclusion (Pass/Fail)
100	109	-9	2	100 ~ 110	P
250	274	-24	4	250 ~ 275	P
500	542	-42	6	500 ~ 550	P
1000	1078	-78	11	1000 ~ 1100	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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