



校准证书

CALIBRATION CERTIFICATE

证书编号
Certificate No.

DYL202550305

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客户名称
Name of the Customer

优利德科技(中国)有限公司

联络信息
Contact Information

广东省东莞市松山湖园区工业北一路6号

计量器具名称
Description

直流电阻测试仪

型号/规格
Model/Type

UT620T

制造厂
Manufacturer

优利德科技(中国)股份有限公司

出厂编号
Serial No.

20250402-3

设备管理编号
Equipment No.

接收日期
The date of receipt

2025 年 08 月 07 日
Y M D

校准日期
The date of calibration

2025 年 08 月 18 日
Y M D

发布日期
The date of issue

2025 年 08 月 19 日
Y M D

批准
Authorized by

戴伟

戴伟

核验
Reviewed by

庞俊南

庞俊南

校准
Calibrated by

李华杰

李华杰

证书专用章
Stamp



扫一扫查真伪

实验室地址: 中国广东省广州市广园中路松柏东街30号

邮政编码: 510405

电话: +8620 86594172 投诉电话: +8620 36611242 E-mail: scm@scm.com.cn

Add: No.30, Songbai East Street, Guangyuan Middle Road, Guangzhou, Guangdong, China

Post Code: 510405 Tel: +8620 86594172 Complaint Tel: +8620 36611242

证书真伪查询: www.scm.com.cn; cert.scm.com.cn Certificate Authenticity Identify: www.scm.com.cn; cert.scm.com.cn



说明

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DIRECTIONS

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1. 本中心是国家市场监督管理总局在华南地区设立的国家法定计量检定机构, 本中心的质量管理体系符合 ISO/IEC 17025:2017 标准的要求。

This laboratory is the National Legal Metrological Verification Institution in southern China set up by the State Administration for Market Regulation. The quality system is in accordance with ISO/IEC 17025:2017.

2. 校准地点:

The location of calibration:

院本部1015

Room 1015, Headquarters

3. 本次校准使用的方法:

The method used:

JJG1052-2009 回路电阻测试仪、直阻仪检定规程 V.R. of Loop Resistance Tester and DC Resistance Meters

4. 本证书中的校准结果可溯源至国际单位制 (SI) 单位和/或社会公用计量标准, 本次校准使用以下主要计量标准器具:

The calibration results are traceable to International System of Units (SI) units and/or measurement standard for public service.

The major measurement standards used:

名称 Name	型号规格 Model/Type	编号 Serial No.	证书号/溯源机构 Certificate No./ Traceability to	计量特性 Metrological Characteristic
模拟大功率直流标准电阻器	MZB-600 /1 $\mu\Omega$ ~ 60 Ω	08005	DYL202563129 /本中心	允差: $\pm (0.02\% \sim 0.2\%)$ MPE: $\pm (0.02\% \sim 0.2\%)$
低值电阻表校验仪	ZY2508 /1 $\mu\Omega$ ~ 20k Ω	070501	DYL202431319 /本中心	允差: $\pm (0.01\% \sim 0.5\%)$ MPE: $\pm (0.01\% \sim 0.5\%)$

注: 1. 本证书校准结果只与受校准仪器有关。 The results relate only to the items calibrated.

Note: 2. 未经本机构书面批准, 不得部分复制此证书。 This certificate shall not be reproduced except in full, without the written approval of our laboratory.

3. “客户名称”、“联络信息”由客户提供, “制造厂”、“型号规格”、“出厂编号”以及“设备编号”为仪器上标注, 客户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 **Name of the Customer** and **Contact Information** are provided by customer, and the **Manufacturer**, **Model/Type**, **Serial No.** and **Equipment No.** are marked on the items. Customer shall submit any objection within 20 working days after receiving the certificate for the information above.



校准结果

RESULTS OF CALIBRATION

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1 外观检查 (Apparent inspection): 符合要求 (Pass)

2 电阻示值误差测量见表1(Resistance test shown in table 1):

表1(Table 1)

量程 Range	示值 Indication (mΩ)	标准值 Reference Value (mΩ)	误差 Error (mΩ)
10A	1.0026	1.0000	+ 0.0026
	5.0156	5.0000	+ 0.0156
	10.031	10.000	+ 0.031
	20.059	20.000	+ 0.059
	40.113	40.000	+ 0.113
	60.163	60.000	+ 0.163
	80.211	80.000	+ 0.211
	100.25	100.00	+ 0.25
	200.52	200.00	+ 0.52
5A	(mΩ)	(mΩ)	(mΩ)
	10.024	10.000	+ 0.024
	100.25	100.00	+ 0.25
1A	801.78	800.00	+ 1.78
	(mΩ)	(mΩ)	(mΩ)
	100.15	100.00	+ 0.15
	(Ω)	(Ω)	(Ω)
200mA	1.0014	1.0000	+ 0.0014
	10.042	10.000	+ 0.042
	(Ω)	(Ω)	(Ω)
	1.0004	1.0000	+ 0.0004
40mA	10.003	10.000	+ 0.003
	60.036	60.000	+ 0.036
	(Ω)	(Ω)	(Ω)
<5mA	10.007	10.000	+ 0.007
	99.96	100.00	- 0.04
	199.91	200.00	- 0.09
<5mA	(Ω)	(Ω)	(Ω)
	99.95	100.00	- 0.05
	(kΩ)	(kΩ)	(kΩ)
<5mA	1.0066	1.0000	+ 0.0066
	10.052	10.000	+ 0.052



校准结果 RESULTS OF CALIBRATION

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3 工作电流示值误差测量见表2 (Current test shown in table 2):

表2(Table 2)		
示值 Indication	标准值 Reference Value	误差 Error
(A)	(A)	(A)
9.99	10.01	- 0.02
4.99	5.001	- 0.011
1.01	1.016	- 0.006
(mA)	(mA)	(mA)
199.6	199.6	0.0
39.75	39.76	- 0.01

说明:

Note:

1 本次测量结果的扩展不确定度:

The Expanded Uncertainty of Measurement:

电阻 $U_{rel} = 0.06\%$ 电流 $U_{rel} = 0.6\%$

Resistance

Current

包含因子 $k=2$

Coverage factor

本证书中给出的扩展不确定度依据JJF1059.1-2012《测量不确定度评定与表示》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 expanded uncertainty given in this certificate is evaluated in accordance with JJF1059.1-2012 "Evaluation and Expression of Uncertainty in Measurement", which is obtained by multiplying the combined standard uncertainty by the coverage factor k corresponding to the coverage probability of about 95%.

2 所校项目由客户指定。

The calibrated items requested by the customer.

3 该仪器的溯源日期为本证书的“校准日期”,由于复校时间间隔的长短是由仪器的使用情况、使用者、仪器本身质量等诸因素所决定的,因此,送校单位可根据实际使用情况自主决定复校时间间隔。更换重要部件、维修或对仪器性能有怀疑时,应及时校准。

The traceability date of this instrument is the "CalibrationDate" on this certificate, since the calibration interval is determined by the use of the instrument, operation of the user, the quality of the instrument itself and other factors, the re-calibration date can be decided by the user according to the actual situation. In case of replacement of important parts, maintenance or doubt on the performance of the instrument, it shall be calibrated in time.

4 校准活动中对测量结果有影响的条件:

Conditions under which the calibrations were made that have an influence on the measurement results:

温度 (Temperature): 21 °C, 湿度 (Humidity): 53 %RH.