



校准证书

CALIBRATION CERTIFICATE

证书编号
Certificate No. DYL20110338

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委托方
Client 广州市依泰电子科技有限公司

委托方地址
Add. of Client 广州市白云区嘉禾彭上致富路4号F栋3楼

计量器具名称
Description 钳型接地电阻测试仪

型号规格
Model/Type ETCR2100+

制造厂
Manufacturer 广州市依泰电子科技有限公司

出厂编号
Serial No. YT0810118

设备编号
Equipment No. ———

接收日期
Date of Receipt 2011 年 5 月 24 日
Y M D

结论
Conclusion 见校准结果页
Shown in the results of calibration

校准日期
Date of Calibration 2011 年 5 月 24 日
Y M D

批准人
Approved Signatory

核 验
Inspected by

校 准
Calibrated by





说 明

证书编号 DFL20110338
Certificate No.

DIRECTIONS

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1. 本中心是国家质量监督检验检疫总局在华南地区设立的国家法定计量检定机构, 计量授权证书号:
(国)法计(2007)01043号、(国)法计(2007)01032号。本中心是中国合格评定国家认可委员会(CNAS)认可实验室, 认可证书号为: CNAS L0730。

This laboratory is the National Legal Metrological Verification Institution in southern China set up by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China (AQSIQ) under authorization certificates No.(2007)01043 & (2007)01032. This laboratory is accredited by China National Accreditation Service for Conformity Assessment under Laboratory Accreditation Certification No. CNAS L0730.

2. 本中心所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 this laboratory are traceable to national primary standards and International System of Units (SI).

3. 本次校准的技术依据:

Reference documents for the calibration:

JJG 306-2004 接地电阻表检定规程 V. R. of Earth Resistance Meter

4. 本次校准所使用的主要计量标准器具:

Major standards of measurement used in the calibration:

设备名称/型号 Name of Equipment /Model	编号 Serial No.	证书号/有效期 Certificate No. /Due Date	计量特性 Metrological Characteristic
接地电阻仪检定装置 Earth Resistance Tester Verification Dev /JD-1B	9837	DYL20100839 /2011-04-21	0.1 级 Grade 0.1

5. 校准地点、环境条件:

Place and environmental conditions of the calibration:

地点 本中心电磁实验室(Electrics 温度 (20±1) °C 相对湿度 (50~60) %
Place Lab) Temperature RH

6. 被校准仪器限制使用条件:

Limiting condition of the instrument calibrated:

注: 1. 本证书校准结果只与受校准仪器有关。

2. 未经本中心书面批准, 不得部分复制此证书。

Note: 1. The results relate only to the items calibrated.

2. This certificate shall not be reproduced except in full, without the written approval of our laboratory.



校准结果

RESULTS OF CALIBRATION

证书编号 DYL20110338
Certificate No.

原始记录号 020110326
Record No.

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一、外观(Apparent inspection): 合格(Pass)

二、电阻测量见表1(Resistance test see table 1):

表1(Table 1)

显示值 Indication Value	标准值 Reference Value	绝对误差 Absolute Error	允许误差 MPE	结论 Conclusion
(Ω)	(Ω)	(Ω)	(Ω)	(PF)
0.11	0.1000	+ 0.01	± 0.01	P
0.51	0.5000	+ 0.01	± 0.02	P
0.90	0.9000	0.00	± 0.02	P
1.0	1.000	0.0	± 0.1	P
5.0	5.000	0.0	± 0.2	P
9.9	10.00	- 0.1	± 0.3	P
48.6	49.00	- 0.4	± 0.8	P
49.6	50.00	- 0.4	± 1.5	P
98.0	99.00	- 1	± 7	P
99.0	100.0	- 1	± 4	P
191	190.0	+ 1	± 7	P
200	200.0	0	± 17	P
400	390.0	+ 10	± 28	P
410	400.0	+ 10	± 50	P
515	500.0	+ 15	± 60	P
600	590.0	+ 10	± 69	P
620	600.0	+ 20	± 140	P
940	900.0	+ 40	± 200	P

说明(Note):

- 1 按仪表规定的准确度合格
(The data of instrument calibrated compliance with the technical characteristics of specifications)
- 2 本次测量结果的相对扩展不确定度(The Relative Expanded Uncertainty of Measurement):
电阻(Resistance) $U_{rel}=0.5\%$
包含因子(Coverage factor) $k=2$
依据JJF1059-1999测量不确定度评定与表示
(According to JJF1059-1999 Evaluation and Expression of Uncertainty in Measurement)
- 3 建议校准周期不超过1年。
(The period of calibration advised within one year.)