



检定证书

VERIFICATION CERTIFICATE

证书编号 DYL20110410
Certificate No.

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委托方 广州市铭泰电子科技有限公司
Client

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

计量器具名称 钳型接地电阻测试仪
Description

型号规格 ETCR2100E+
Model/Type

制造厂 广州市铭泰电子科技有限公司
Manufacturer

出厂编号 YT080340
Serial No.

接收日期 2011 年 4 月 10 日
Date of Receipt Y M D

结论 合格 (Qualified)
Conclusion

检定日期 2011 年 4 月 10 日
Date of Verification Y M D

依据检定规程, 被检仪器检定周期为 壹 年
The verification period is 1 Year(s)

批准人 罗江京
Approved Signatory

核 验 何 毅
Inspected by

检 定 吴世祥
Verified by





说 明

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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。计量授权证书号是:

(国) 法计(2002) 01043号、(国) 法计(2002) 01032号。

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.(2002)01043 & (2002)01032.

2. 本中心所出具的数据均可溯源至保存在中国计量科学研究院的国家计量基准和国际单位制(SI)。中国计量科学

研究院于1999年代表中国签署了“国家计量基准及国家计量研究院出具的校准和测量证书相互承认协议”。

All data issued by this laboratory are traceable to national primary standards maintained in National Institute of Metrology (NIM) and International System of Units (SI). NIM is the signatory to the Mutual Recognition Arrangement (MRA) for national measurement standards and for calibration and measurement certificates issued by national metrology institutes.

3. 本次检定的技术依据:

Reference documents for the verification:

JJG 366-2004 接地电阻表检定规程 V. R. of Earth Resistance Meter

4. 本次检定所使用的主要计量标准器具:

Major standards of measurement used in the verification:

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	DYL20110410 /2012-4-6	0.1级 Grade 0.1

5. 检定地点、环境条件:

Place and environmental conditions of the verification:

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

6. 被检仪器限制使用条件:

Limiting condition of the instrument verified:

注: 1. 本证书检定结果只与受检定仪器有关。

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 verified.

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



检定结果

RESULTS OF VERIFICATION

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电阻测量见表1(Resistance test see table 1):

表1(Table 1)

显示值 Indication Value	实际值 Reference Value	绝对误差 Absolute Error	允许误差 MPE	结论 Conclusion
(Ω)	(Ω)	(Ω)	(Ω)	(Pass/Fail)
0.10	0.1000	0.00	± 0.01	P
0.50	0.5000	0.00	± 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
10.0	10.00	0.0	± 0.3	P
48.7	49.00	- 0.3	± 0.8	P
49.6	50.00	- 0.4	± 1.5	P
98.0	99.00	- 1.0	± 2.5	P
98.5	100.0	- 1.5	± 4.0	P
185	190.0	- 5	± 7	P
194	200.0	- 6	± 17	P
380	390.0	- 10	± 28	P
385	400.0	- 15	± 50	P
480	500.0	- 20	± 60	P
560	590.0	- 30	± 69	P
565	600.0	- 35	± 140	P
820	900.0	- 80	± 200	P

电流测量见表2(Current test see table 2):

表2(Table 2)

显示值 Indication Value	实际值 Reference Value	绝对误差 Absolute Error	允许误差 MPE	结论 Conclusion
(mA)	(mA)	(mA)	(mA)	(Pass/Fail)
10.2	10.00	+ 0.2	± 2.2	P
50.8	50.00	+ 0.8	± 3.2	P
103	100.0	+ 3	± 4	P
206	200.0	+ 6	± 7	P
(A)	(A)	(A)	(A)	(Pass/Fail)
0.31	0.3000	+ 0.01	± 0.02	P
0.50	0.5000	0.00	± 0.02	P
1.02	1.000	+ 0.02	± 0.03	P
2.05	2.000	+ 0.05	± 0.06	P
3.09	3.000	+ 0.09	± 0.09	P
5.10	5.000	+ 0.10	± 1.40	P
10.25	10.00	+ 0.25	± 0.27	P
15.10	15.00	+ 0.10	± 0.40	P
18.99	19.00	- 0.01	± 0.50	P



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说明(Note):

- 1 外观(Appearance): 符合要求 (Pass)
- 2 按仪表规定的准确度合格
(The data of instrument calibrated compliance with the technical characteristics of specifications)
- 3 本次测量结果的相对扩展不确定度(The Relative Expanded Uncertainty of Measurement):
电阻(Resistance) $U_{rel}=0.3\%$
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)
- 4 DYL20080450号检定证书作废。
(Verification certificate (No.DYL20080450) become invalid.)