



华南国家计量测试中心
广东省计量科学研究院
SOUTH CHINA NATIONAL CENTER OF METROLOGY
GUANGDONG INSTITUTE OF METROLOGY



校准证书

CALIBRATION CERTIFICATE

证书编号 D88201204487
Certificate No.

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委托方 广州市铨泰电子科技有限公司
Client

委托方地址 广州市白云区嘉禾联边彭上致富路F栋4楼
Add. of Client

计量器具名称 LEAKAGE CURRENT MONITORING RECORDER
Description

型号规格 8300
Model/Type

制造厂 ETCR
Manufacturer

出厂编号 JLY1105002
Serial No.

设备编号
Equipment No.

接收日期 2012 年 2 月 8 日
Date of Receipt Y M D

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

校准日期 2012 年 2 月 15 日
Date of Calibration Y M D

批准人
Approved Signatory

核 验 曹 欣
Inspected by

校 准 石 劭 毅
Calibrated by



本中心地址: 中国广州市广园中路松栢东祠30号 邮政编码: 510405
电话: (8620)86594172 传真: (8620)86590743 投诉电话: (8620)26296063 E-mail: scm@scm.com.cn
Add: No.30, Songbaidong Street, Guangyuanzhong Road, Guangzhou, P. R. China
Post Code: 510405 Tel: (8620)86594172 Fax: (8620)86590743 Complaint Tel: (8620)26296063
证书真伪查询: www.scm.com.cn; www.misp.com Certificate Authenticity Identify: www.scm.com.cn; www.misp.com

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说明

DIRECTIONS

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证书编号: DBB201204487
Certificate No.

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 (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:

JJF1075-2001 钳形电流表校准规范 C.S. of Clamp Ammeters

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
多功能标准源 Multifunction Standard Sources /5520A	8080014	DBB20115406 /2012-04-25	DCV: $\pm 0.001\%$; DCA: $\pm 0.01\%$; ACV: $\pm 0.015\%$; ACA: $\pm 0.04\%$; OHM: $\pm 0.0028\%$; FREQ: $\pm (2.5 \times 10^{-6})$

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 温度 $(23 \pm 2) ^\circ\text{C}$
Place 室 (Electrics-magnetics Lab) Temperature

相对湿度 $(50 \pm 5) \%$
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 DBB201204487
Certificate No.

原始记录号 120124487
Record No.

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一、外观: 符合要求(Apparent inspection: Pass)

二、交流电流: 见表1 (ACA: In table 1, $f=50$ Hz)

表1 (Table 1)

回路 Channel	量程 Range	示值 Indication Value (A)	实际值 Reference Value (A)	误差 Error (A)	允许误差 MPE (A)	结论 conclusion (Pass/Fail)
11	600A	50.0	50.00	0.0	± 1.1	Pass
		100.6	100.00	+ 0.6	± 1.8	Pass
		201	200.00	+ 1	± 6	Pass
		302	300.00	+ 2	± 8	Pass
		400	400.00	0	± 9	Pass
		499	500.00	- 1	± 10	Pass
12	600A	50.0	50.00	0.0	± 1.1	Pass
		100.4	100.00	+ 0.4	± 1.8	Pass
		199	200.00	- 1	± 6	Pass
		301	300.00	+ 1	± 8	Pass
		402	400.00	+ 2	± 9	Pass
		500	500.00	0	± 11	Pass
13	600A	50.0	50.00	0.0	± 1.1	Pass
		100.4	100.00	+ 0.4	± 1.8	Pass
		200	200.00	0	± 6	Pass
		301	300.00	+ 1	± 8	Pass
		400	400.00	0	± 9	Pass
		500	500.00	0	± 11	Pass

说明(Notes):

1. 测量结果的相对扩展不确定度(The Relative Expanded Uncertainty of Measurement):

交流电流(ACA) $U_{rel}=0.13\%$

(包含因子 $k=2$ 依据 JJF1059-1999 测量结果不确定度评定与表示)

(Coverage factor $k=2$, According to JJF1059-1999 Evaluation and Expression of Uncertainty in Measurement)

2. 建议校准周期不超过1年。

The period of calibration advised within one year.