



中国赛宝实验室
(工业和信息化部电子第五研究所)
CHINA CEPREI LABORATORY



校准证书

CALIBRATION CERTIFICATE

证书编号: 2GB15009077-0001
Certificate No.



委托单位: 深圳市知用电子有限公司
Client

委托方地址: 深圳市龙岗区龙城街道黄阁路441号龙岗天安数码创业园一号厂房
Address

仪器名称: 柔性电流探头
Description

型号规格: CP9121L
Model/Type

制造商: CYBERTEK
Manufacturer

机身号: C149000114
Serial No.

校准日期: 2015-10-12
Cal. Date

建议再校日期: 2016-10-12
Next Cal. Date

结论: 所校准项目合格(Passed at Calibration Items)
Conclusion

校准: 许泳彬
Calibrated by

核验: 黄安娜
Inspected by

签发: 魏武
Approved by

印章: (06)
Stamp

赛宝计量检测中心
广州总部地址: 广州天河区东莞庄路110号
客服电话: 020-87237633 传真: 020-87236189
投诉电话: 020-87236896、020-87236789
邮件: cal@ceprei.com
网址: www.ceprei-cal.com

CEPREI Calibration and Testing Center
H.Q. Addr: No.110 Dongguan Zhuang Road, Tianhe District, Guangzhou
Tel: 020-87237633 Fax: 020-87236189
Complaint phone: 020-87236896, 020-87236789
Email: cal@ceprei.com
Website: www.ceprei-cal.com

说 明

DIRECTIONS

证书编号(Certificate No.): 2GB15009077-0001

1. 本机构是国家质量监督检验检疫总局授权的国家法定计量技术机构, 授权证编号: (国)法计(2012)00068号。质量管理体系符合ISO/IEC 17025的要求, 获得中国合格评定国家认可委员会(CNAS)认可, 认可证书号为: CNAS L0462。

This laboratory is the legal metrological institute authorized by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China, No. (国)法计(2012)00068. Its quality management system meets the ISO/IEC 17025 and is accredited by the China National Accreditation Service for Conformity Assessment, No. CNAS L0462.

2. 本机构出具的数据均可溯源到国家计量基准和国际单位制(SI)。

The data issued by this laboratory is traceable to national primary standards and International system of Units (SI) .

3. 本次校准的技术依据及CNAS认可范围(Reference documents and CNAS accredited scopes):

▪ JJF 1075-2001 钳形电流表校准规范 直流电流: (1~1000)A; 交流电流: (1~1000)A @ (45~65) Hz

4. 本次校准所使用的主要测量标准(Main measurement standards used during the calibration):

名 称 (Description)	技术指标 (Specification)	证书编号 (Certificate No.)	有效期至 (Due Date)
多功能校准器/Calibrator	DCV: 1.2×10^{-5} ; DCI: 1×10^{-4} ; ACV: 1.2×10^{-4} ; ACI: 0.06%; R: 2.8×10^{-5} ; ACPower: 0.08%; DCPower: 0.023%; T: 0.14°C; Phase: $\pm 0.07^\circ$; f: 2.5×10^{-6}	DBS20150001/DBB2 01505033	2016-01-03
数字万用表	DCV: $\pm 0.0035\%$; ACV: $\pm 0.06\%$; DCI: $\pm 0.05\%$; ACI: $\pm 0.1\%$; R: $\pm 0.01\%$; f: $\pm 0.01\%$	4GC15000037-0002	2016-01-21

5. 校准地点(The location where the calibrations were carried out):

赛宝计量检测中心广州实验室

6. 环境条件(Environmental condition):

温度(Temperature): 20°C 相对湿度(Relative Humidity): 60%

7. 证书数据页中"P"代表"合格", "F"代表"不合格", "N/A"代表"不适用".

In the data sheet, "P" stands for "Pass", "F" stands for "Fail", "N/A" stands for "Not applicable".

注: 1. 本证书未经本机构书面授权, 不得部分复制。(The certificate shall not be partly reproduced without written approval of the laboratory.)

2. 本次校准结果仅与被校物有关。(The results are only related to the items calibrated.)



1. 外观与工作正常性检查 (Appearance and Function Check)

结论
(Pass/Fail)

P

2. 交流电流(AC Current)

频率 Frequency (Hz)	输入电流 Input (A)	标称电压值 Nominal (mV)	标准值 Reference (mV)	误差 Error (mV)	允许误差 Limit (mV)	结论 Pass/Fail
50	25.000	12.50	12.517	-0.017	±0.125	P
	50.000	25.00	24.943	0.057	±0.250	P
	100.000	50.00	49.763	0.237	±0.500	P
	(A)	(V)	(V)	(V)	(V)	
	500.000	0.25	0.2481	0.0019	±0.0025	P
	1000.000	0.50	0.4963	0.0037	±0.0050	P
	1500.000	0.75	0.7452	0.0048	±0.0075	P
	2000.000	1.00	0.9935	0.0065	±0.0100	P
	100	2000.000	1.00	0.9936	0.0064	P
					±0.0100	P

附(Appendix):

关于测量结果不确定度的说明

(Directions of measurement uncertainty)

1 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)

2 本次测量结果的扩展不确定度(The expanded uncertainty of the measurement results)($k=2$)

2.1交流电压(ACV)

0.1%

2.2交流电流(ACA)

0.05%

以下空白/No data hereafter