

校准证书

CALIBRATION CERTIFICATE

证书编号:

Certificate No.



J202404186549-0001

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委托方

Client

National Technical University of Athens, Greece

联络信息

Contact Inf.

9, Iroon Politechniou Str., Zografou Campus, Athens, GR15780, Greece

仪器名称

Description

IEC-Pst AC Power Source

型号/规格

Model/Type

LSP-1KVARC-Pst

制造厂

Manufacturer

LISUN GROUP

出厂编号

Serial No.

P612135A

管理号

Asset No.

接收日期

Receipt Date

2024年04月30日

Y M D

校准日期

Cal. Date

2024年04月30日

Y M D

发布日期

Issued Date

2024年06月04日

Y M D

批准

Approved by

李文兴

李文兴

审核

Inspected by

王媛

王媛

校准

Calibrated by

陈鹏辉

陈鹏辉

证书专用章

(Stamp)

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扫一扫验真伪

校准说明 DIRECTIONS OF CALIBRATION

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1.本实验室的质量管理体系符合ISO/IEC 17025:2017标准的要求,校准结果均可溯源至国际单位制(SI)单位。(The quality system is in accordance with ISO/IEC 17025:2017,the calibration results are traceable to the International System of Units (SI).)

2.本结果仅对本次校准样品有效。未经实验室批准,不得部分复制。如有疑问请在15个工作日内反馈。(The result is only valid for the calibrated sample.The certificate shall not be reproduced except in full,without the written approval of our laboratory .please feedback to us within 15 days if you have any question.)

3.本证书编号具有唯一性,后缀若带有“-Gx”的证书为替换证书,自发出后原证书即刻作废。(Each certificate has a unique number. The suffix of "-Gx" will be added to the number as a replacement of the old version. The original certificate will be officially invalid once the new certificate number is issued.)

4.证书中最大允许误差、判定结果仅供参考,其中“P”代表“合格”,“F”代表“不合格”,“N/A”代表“不适用”。使用人员应结合实际测量需求,评估测量不确定度对符合性评定的影响。(MPE & judgement result in the datasheet is only for reference , "P" is "Pass" , "F" is "Fail" and "N/A" is "Not Applicable".Whereas users should evaluate the effects of MU of calibration results on conformance assessment by actual measurement.)

5.校准地点、环境条件(Place and environmental conditions of the calibration):

地点: 客户一楼实验室
Place

温度: 22°C 相对湿度: 53%
Temperature Relative Humidity

6.建议复校时间间隔: 1年,送校单位也可按实际使用情况自主决定。

Suggested calibration interval is 1 year or it can be altered depending on the actual usage of the user.

7.本次校准的技术依据及CNAS认可范围,超出范围的内容未被认可。详细认可范围请查看CNAS网站证书附件。(Reference document and accredited scope by CNAS for calibration, beyond which isn't accredited. Please see the attachment of certificate on CNAS website for details.)

JJG(军工)71-2017 交流标准电压源检定规程(V.R. for AC standard voltage source):(多功能校准源) 交流电压: 10mV~1000V(10Hz~1MHz)

校准说明
DIRECTIONS OF CALIBRATION

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8. 本次校准使用的主要测量标准(Main Standards of Measurement Used in the Calibration.):

名称 Description	编号 Serial No.	证书号/有效期 Certificate No./ Due Date	溯源机构 Traceability Institute	技术特征 Technique Character
数字万用表	MY53220654	J202304193208-01- 0001 2024-05-18	广电计量检测集 团股份有限公司	DCV: $\pm 0.005\%$ ACV: $\pm 0.06\%$ DCI: $\pm 0.05\%$ ACI: $\pm 0.1\%$ R: \pm 0.01% Freq: $\pm 0.01\%$

9. 计量溯源性声明(Measurement traceability declaration.):

数字万用表 (MY53220654) → 多功能校准仪(含示波器校准仪选件)/Multi-function calibrator (Includes oscilloscope calibrator options)(4996902) → 数字多用表/ Digital multimeter(498876915) → 固态电压标准 (北京东方计量测试研究所/CASC)

校准结果 RESULTS OF CALIBRATION

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1、外观以及一般性检查: 正常

In view of External and Generality check : Pass

2、交流电压(AC Voltage):

频率 Frequency (Hz)	标称值 Nominal (V)	实测值 Measured (V)	误差 Error (V)	不确定度 $U(k=2)$ (V)	允许误差 MPE (V)	结论 Conclusion (Pass/Fail)
50	50	50.09	-0.09	0.08	± 0.50	P
	100	100.15	-0.15	0.15	± 1.00	P
	120	120.15	-0.15	0.18	± 1.20	P
	150	150.15	-0.15	0.23	± 1.50	P
	230	230.09	-0.09	0.35	± 2.30	P
	250	250.23	-0.23	0.38	± 2.50	P
	300	300.20	-0.20	0.45	± 3.00	P
(Hz)	(V)	(V)	(V)	(V)	(V)	(Pass/Fail)
60	120	120.17	-0.17	0.18	± 1.20	P
	150	150.19	-0.19	0.23	± 1.50	P
	230	230.22	-0.22	0.35	± 2.30	P

3、频率(Frequency): 220V

标称值 Nominal (Hz)	实测值 Measured (Hz)	误差 Error (Hz)	不确定度 $U(k=2)$ (Hz)	允许误差 MPE (Hz)	结论 Conclusion (Pass/Fail)
50	49.998	0.002	0.025	± 0.075	P
60	59.998	0.002	0.025	± 0.090	P

备注:

Notes:

结论(Conclusion): 所校项目符合技术要求

1.本报告中的扩展不确定度是由标准不确定度乘以包含概率约为95%时的包含因子 k 。

The expanded uncertainty is given in the report by the standard uncertainty multiplied by the probability of about 95% when the factor k .

2.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)

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