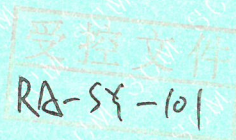




校准证书

CALIBRATION CERTIFICATE



证书编号
Certificate No.

HGX202421768

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客户名称

Name of the Customer

██████████ 计量检测技术有限公司

联络信息

Contact Information

██

计量器具名称
Description

氙气辐射照度计

型号/规格
Model/Type

TS560

制造厂
Manufacturer

深圳市速德瑞科技有限公司

出厂编号
Serial No.

TS560249025-E241434

设备管理编号
Equipment No.

接收日期
Receipt on

2024 年 09 月 06 日
Y M D

结论

Conclusion

见校准结果

Shown in the results of calibration

校准日期

Calibration on

2024 年 09 月 12 日
Y M D

发布日期

Issue on

2024 年 09 月 14 日
Y M D

批准

Authorized by

卢德润 卢德润

核验

Reviewed by

宋贻武 宋贻武

校准

Calibrated by

朱启乐 朱启乐

证书专用章
Stamp



扫一扫查真伪



说 明

证书编号 HGX202421768
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DIRECTIONS

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1. 本中心是国家市场监督管理总局在华南地区设立的国家法定计量检定机构, 本中心的质量管理体系符合 ISO/IEC 17025:2017 标准的要求。

This laboratory is the National Legal Metrological Verification Institution in southern China set up by the State Administration for Market Regulation. The quality system is in accordance with ISO/IEC 17025:2017.

2. 本中心所出具的数据均可溯源至国家计量基准和/或国际单位制(SI)。

All data issued by this laboratory are traceable to national primary standards and/or International System of Units (SI).

3. 校准地点、环境条件:

Location and environmental conditions of the calibration:

地点 光照度实验室

Location (Illumination Lab.)

温度 25 °C

Temperature

相对湿度 55 %

R.H.

4. 本次校准的技术依据:

Reference documents for the calibration:

FFH1503-2015 辐照计校准方法 C.M. for Irradiance Meter

5. 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/型号规格/测量范围
Name of Equipment
/Model/Type/Range

编号
Serial No.

证书号/有效期/溯源单位
Certificate No./Due Date
/Traceability to

计量特性
Metrological
Characteristic

光谱辐射计(紫外辐射照度
部分)

Spectral Radiometer

/OL756/(0~200)mW/cm²

17006127

HGX202420491
/2025-03-19
/本中心

$U_{rel}=14\% (k=2)$

注: 1. 本证书校准结果只与受校准仪器有关。The results relate only to the items calibrated.

Note: 2. 未经本机构书面批准, 不得部分复制此证书。This certificate shall not be reproduced except in full, without the written approval of our laboratory.

3. “客户名称”、“联络信息”由委托方提供, “制造厂”、“型号规格”、“出厂编号”以及“设备编号”为仪器上标注, 委托方对上面内容如有异议, 须在收到证书后二十个工作日内提出。

The information Name of the Customer and Contact Information are provided by client, and the Manufacturer, Model/Type, Serial No. and Equipment No. are marked on the items. Client shall submit any objection within 20 working days after receiving the certificate for the information above.



校准结果 RESULTS OF CALIBRATION

证书编号 HGX202421768
Certificate No.

原始记录号 HGX202421768
Record No.

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一. 辐照度示值校准: 见表1。

The measure of radiant intensity: Shown in table 1.

零点检查: 符合要求

Zero checking: pass

表1

Table 1

标准值 W/m ²	显示值 W/m ²	修正因子	相对误差
Nominal Value	Indication Value	Correction factor	Relative error
442	443	1.00	0.2%
317	319	0.99	0.6%
241	238	1.01	-1.2%

说明:

Note

1. 使用时仪器显示数据需乘以修正因子。

The data of the equipment should be multiplied by the correction factor.

2. 校准条件: 波长: (280-800)nm 校准光源: 光谱辐照标准灯

Conditions: wavelength: light source:

3. 辐照度测量结果的相对扩展不确定度: $U_{rel}=17\%$, $k=2$ 。

Related expanded uncertainty of measuring results:

4. 本证书中给出的扩展不确定度依据JJF1059.1-2012《测量不确定度评定与表示》评定, 由合成标准不确定度乘以包含概率约为95%时对应的包含因子 k 得到。

The expanded uncertainty given in this certificate is evaluated according to JJF 1059.1-2012 "Evaluation and Expression of Uncertainty in Measurement, which is obtained by multiplying the combined standard uncertainty by the coverage factor k corresponding to the coverage probability of about 95%.

5. 受被测仪器自身性能的影响, 证书中的修正因子仅适用于测量与证书中的光谱类型相同的光源, 否则可能带来较大的测量误差。

Due to the influence of the performance of the instrument under test, the correction factor in the certificate is only applicable to the light source with the same spectral type as that in the certificate, otherwise it may bring a large measurement error.

6. 该仪器的溯源日期为本证书的“校准日期”, 按照所依据技术文件的规定, 建议复校时间间隔不超过一年。更换重要部件、维修或对仪器性能有怀疑时, 应及时校准。

The traceability date of this instrument is the "Calibration Date" on this certificate, According to the demand of reference document, next calibration is proposed within one year. In case of replacement of important parts, maintenance or doubt on the performance of the instrument, it shall be calibrated in time.