



# 校准证书

## CALIBRATION CERTIFICATE

证书编号 GDA A202430005  
Certificate No.

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客户名称 优利德科技(中国)股份有限公司  
Name of the Customer

联络信息 广东省东莞市松山湖园区工业北一路6号  
Contact Information

计量器具名称 高斯计  
Description

型号/规格 UT335A  
Model/Type

制造厂 UNI-T  
Manufacturer

出厂编号 20240810283  
Serial No.

设备管理编号/  
Equipment No.

接收日期 2024 年 08 月 13 日  
Receipt on Y M D

结论 见校准结果  
Conclusion Show in the results of calibration

校准日期 2024 年 08 月 16 日  
Calibration on Y M D

发布日期 2024 年 08 月 16 日  
Issue on Y M D

批准 黎星云 黎星云  
Authorized by

核 验 谢坚戈 谢坚戈  
Reviewed by

校 准 赵靖 赵靖  
Calibrated by

证书专用章  
Stamp







## 说 明

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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 General Administration of Quality Supervision. 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:

Place and environmental conditions of the calibration:

地点 本院A4栋4楼电源实验室 温度 (19.8~20.1) °C 相对湿度 (43~45) %

Location Temperature RH

4. 本次校准的技术依据:

Reference documents for the calibration:

JJF 1832-2020 (1 mT~2.5 T) 磁强计校准规范 C.S. for (1 mT~2.5 T) Magnetometers

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
高斯计 /DTM-151/1uT~3T	01050G04	DCcx2023-01521 /2024-09-27 /中国计量科学研究院	±0.01%RD+0.006%RG



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。 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.





## 校准结果 RESULTS OF CALIBRATION

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1. 磁通密度: 见表1

Flux density: Shown in table 1

表 1 table 1

极性 Polarity	标准值 Nominal Value (mT)	被检示值 Indication Value (mT)	误差 Error (mT)	允许误差 MPE (mT)	结论 Conclusion Pass/Fail
N	19.92	20.17	+0.25	±1.0	Pass
	39.90	40.44	+0.54	±2.0	Pass
	49.89	50.58	+0.70	±2.5	Pass
	99.84	101.2	+1.36	±5.0	Pass
	199.68	202.5	+2.82	±10.0	Pass
	499.3	505.1	+5.8	±25.0	Pass
	799.0	821.5	+22.5	±40.0	Pass
	998.9	1022	+23.1	±49.9	Pass
	1498.1	1543	+44.9	±74.9	Pass
	1996.8	2013	+16.2	±99.8	Pass
S	199.58	202.5	+2.9	±10.0	Pass
	1996.5	2013	+16.5	±99.8	Pass

说明:

Note:

1. 测量结果的扩展不确定度:

The expanded uncertainty related to measured result:

磁通密度:  $U_{rel}=0.5\%$

Flux density

包含因子:  $k=2$

Coverage factor

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%.

2. 校准结果符合性判定依据JJF1094-2002《测量仪器特性评定》之5.3.1和仪器说明书技术要求。

Decision rules of conformity are JJF1094-2002 Evaluation of the Characteristics of Measuring Instruments(5.3.1) and technical requirements in the manual.





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3.按照所依据技术文件的规定,建议复校时间间隔不超过1年。更换重要部件、维修或对仪器性能有怀疑时,应及时校准。

According to the demand of reference document, next calibration is proposed within 1 year. In case of replacement of important parts, maintenance or doubt on the performance of the instrument, it shall be calibrated in time.

