

中国计量科学研究院

National Institute of Metrology, China



中国认可
国际互认
校准
CALIBRATION
CNAS L0502

校准证书

Calibration Certificate

证书编号 DCcx2023-00721
Certificate No.

客户名称 Client	SERVICIO AERONÁUTICO ESPECIALIZADO S. A. S.
器具名称 Instrument	亥姆霍兹线圈 Helmholtz coil
型号/规格 Type/Model	DXHC10-100
出厂编号 Serial No.	DX230414-135
生产厂商 Manufacturer	厦门盈德兴磁电科技有限公司 Xiamen Dexing Magnet Tech. Co., Ltd
联络信息 Contact Information	Calle 18 No. 12 -71, City: Funza - Cundinamarca, Country: Colombia
校准日期 Date of Calibration	2023 年 05 月 11 日
接收日期 Date of Receiving	2023 年 05 月 11 日
批准人: Approved by	张伟
发布日期: Date of Issue	2023 年 05 月 19 日



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中国计量科学研究院（NIM）是国家最高的计量科学研究中心和国家级法定计量技术机构。1999 年授权签署了国际计量委员会（CIPM）《国家计量基(标)准和国家计量院签发的校准与测量证书互认协议》（CIPM MRA）。The National Institute of Metrology (NIM) is China's national metrology institute (NMI) and a state-level legal metrology institute. NIM is China's signatory to the Mutual Recognition of National Measurement Standards and of Calibration and Measurement Certificates Issued by National Metrology Institutes (CIPM MRA) which is arranged by the International Committee of Weights and Measures (CIPM).

质量管理体系符合 ISO/IEC17025 标准，通过中国合格评定国家认可委员会（CNAS）和亚太计量规划组织（APMP）联合评审的校准和测量能力（CMCs）在国际计量局（BIPM）关键比对数据库中公布。NIM's quality management system meets requirements of the ISO/IEC 17025. Its Calibration and Measurement Capabilities (CMCs) that are peer reviewed both by China National Accreditation Service for Conformity Assessment (CNAS) and the Asia Pacific Metrology Programme (APMP) are published in the International Bureau of Weights and Measures (BIPM) Key Comparison Database (KCDB).

2020 年，NIM 和 CNAS 就认可领域的技术评价活动签署了谅解备忘录，承认 NIM 的计量支撑作用和出具的校准/检测结果的溯源效力。NIM and CNAS signed a Memorandum of Understanding (MOU) for Recognition of Technical Assessment in Laboratory Accreditation Field in 2020, in which CNAS recognizing the technical supporting role of NIM in laboratory accreditation and the traceability of NIM's calibration / test results.

校准结果不确定度的评估和表述均符合 JJF1059 系列标准的要求。The evaluation and expression of uncertainty of the calibration results are in line with the requirements of JJF1059 series standards.

校准所依据/参照的技术文件（代号、名称）Reference documents (Code,Name)

参照 JJF1906-2021 恒定磁场线圈校准规范

Refer to JJF1906-2021 Calibration Specification for Constant Magnetic Field Coils

校准环境条件及地点 Calibration place and environment

温度 Temperature: 20 °C 地点 Location: 和-02-109

湿度 Humidity: 40 % RH 其它 Others: /

校准使用的计量基（标）准装置(含标准物质)/主要仪器

Reference Standards (Including the Reference Material) / Instruments used

名称 Name	测量范围 Measurement Range	不确定度/ 准确度等级 Uncertainty/Accuracy	证书编号 Certificate No.	证书有效期至 Due Date (YYYY-MM-DD)
特斯拉计 Tesla-meter	(0~2.0) T	0.05 级	DCcx2023-003 25	2024-03-04



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校准结果

Calibration Results

线圈常数 coil constant: 2.2597 mT/A (1798.2 l/m)
测量结果不确定度 The uncertainty of measurement results:
0.1 % ($k=2$)

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建议 Suggestion:

根据校准规范 JJF1906-2021 的规定, 通常情况下 12 个月校准一次。

According to the calibration specification, the recommended calibration cycle is 12 months.

声明 Statement:

1. 我院仅对加盖“中国计量科学研究院校准专用章”的完整证书负责。

NIM is ONLY responsible for the complete certificate with the calibration stamp of NIM.

2. 本证书的校准结果仅对所校准的计量器具有效。

The certificate is ONLY valid for the calibrated instrument.

3. 本证书用中英文两种语言表达, 准确含义以中文为准。

The certificate is reported in both English and Chinese, with the Chinese version as standard.

校准员:

李鑫

Calibrated by

核验员:

张伟

Checked by