

湖北省计量测试技术研究院

Hubei Institute of Measurement and Testing Technology

地址 (Add): 湖北省武汉市东湖新技术开发区茅店山中路二号
网址 (Web site): <http://www.hbjl.gov.cn>

邮编 (Post Code): 430223
电话 (Tel): 027-81925136
传真 (Fax): 027-81925137

中国校准服务联合体
China United Calibration Service

CUC

REGISTRATION NO. 002

校准证书

CALIBRATION CERTIFICATE

证书编号: [2021DW02250134]
Certificate No.

| | |
|------------------------|-------------------|
| 委托方名称 Customer | 武汉登丰电力科技有限公司 |
| 委托方地址 Address | 武汉东湖新技术开发区光谷大道78号 |
| 样品名称 Name Of Sample | 微机继电保护测试仪 |
| 制造厂商 Manufacturer | 武汉登丰电力科技有限公司 |
| 型号规格 Model/Type | DF-1200 |
| 器具编号 No Of Sample | 2101168 |

证书专用章
Stamp



校准日期
Calibration date

2021 年 02 月 06 日
Y M D

证书批准人
Approved by

核验员
Checked by

校准员
Calibrated by

耿睿
王强
李梅

湖北省计量测试技术研究院
证书骑缝章

本次校准所使用的测量装置均溯源至保存在中国计量科学研究院的国家计量基准。中国计量科学研究院于1999年代表中国签署了国际间“国家计量基准及国家计量研究院出具的校准和测量证书相互承认协议”。

The measuring equipment used in the calibration is traceable to national primary standards maintained in National Institute of Metrology (NIM). NIM is the signatory to the Mutual Recognition Arrangement (MRA) for national measurement standards and for calibration and measurement certificates issued by national metrology institutes.



- 本院是政府计量行政管理部门依法设立的法定计量检定机构
This laboratory is a legal metrological verification institution established by the government metrological administrative department according to law.
- 本院质量管理体系符合ISO/IEC17025标准的要求。
The quality management system for laboratory complies with ISO/IEC 17025 standards.
- 本次校准的技术依据 (名称、代号)
Reference documents for the Calibration (Name、Code)
参照: JJF 1284—2011 交直流电表校验仪校准规范 Calibration Specification of Calibrators for Electrical Meters

- 本次校准所使用的主要计量标准器具
Main standards of measurement used in the Calibration

| 设备名称 Name of Equipment | 型号/编号 Model/Serial No. | 证书号/有效期 Certificate No./Due Date |
|---------------------------|---------------------------|-------------------------------------|
| 数字多用表 | 8508A/974056743 | DLsc2021-1972/2022-09-24 |

- 校准环境条件
Environmental condition on the Calibration

| | | |
|---------------------------|-------------------------|--------------------------------------|
| 温度: 20.1°C Temperature | 相对湿度: 31 % R.H. | 其它: —— Others |
| 气压: —— Pressure | 地点: 本院水果湖基地高压室 Place | 原始记录编号: 2021DW02250134 Record No. |

本校准结论, 仅对受校样品的本次校准有效。
It's Effect That Results of This Report Relate Only To The Sample(s) Calibrated.
未经本院许可, 不得部分复制本证书。

校准数据/结果

Data/Results of Calibration

| 一. 交流电压测量 | | | | | | | |
|--------------|--------------------|--------|--------|--------|--------|--------|----------------|
| 被测输出值 (V) | 标准表显示值 (V) AC 50Hz | | | | | | |
| | UA | UB | UC | Ua | Ub | Uc | $U_{rel}(k=2)$ |
| 10.000 | 10.003 | 10.006 | 10.005 | 10.000 | 9.9928 | 10.008 | 0.09% |
| 50.000 | 49.971 | 49.994 | 50.012 | 49.971 | 49.992 | 50.012 | 0.09% |
| 80.000 | 79.944 | 79.982 | 80.023 | 79.961 | 80.002 | 80.005 | 0.09% |
| 100.000 | 99.929 | 99.975 | 100.04 | 99.956 | 100.00 | 100.01 | 0.09% |
| 120.000 | 119.92 | 119.99 | 120.05 | 119.96 | 120.03 | 120.01 | 0.09% |
| 二. 直流电压测量 | | | | | | | |
| 被测输出值 (V) | 标准表显示值 (V) DC | | | | | | |
| | UA | UB | UC | Ua | Ub | Uc | $U_{rel}(k=2)$ |
| 10.000 | 9.9863 | 9.9945 | 9.9910 | 9.9898 | 9.9882 | 9.9933 | 0.08% |
| 50.000 | 50.008 | 50.026 | 50.046 | 50.021 | 50.039 | 50.050 | 0.08% |
| 80.000 | 80.013 | 80.056 | 80.085 | 80.034 | 80.070 | 80.093 | 0.08% |
| 100.000 | 100.04 | 100.09 | 100.13 | 100.07 | 100.11 | 100.13 | 0.08% |
| 150.000 | 150.09 | 150.19 | 150.23 | 150.14 | 150.20 | 150.22 | 0.08% |
| 三. 交流电流测量 | | | | | | | |
| 被测输出值 (A) | 标准表显示值 (A) AC 50Hz | | | | | | |
| | IA | IB | IC | Ia | Ib | Ic | $U_{rel}(k=2)$ |
| 1.000 | 1.0030 | 1.0030 | 1.0035 | 1.0028 | 1.0035 | 1.0046 | 0.12% |
| 5.000 | 5.0178 | 5.0241 | 5.0230 | 5.0172 | 5.0234 | 5.0202 | 0.12% |
| 10.000 | 10.036 | 10.041 | 10.035 | 10.036 | 10.035 | 10.052 | 0.12% |
| 20.000 | 20.077 | 20.082 | 20.089 | 20.082 | 20.090 | 20.088 | 0.12% |
| 30.000 | 30.128 | 30.119 | 30.115 | 30.131 | 30.104 | 30.123 | 0.12% |
| 四. 直流电流测量 | | | | | | | |
| 被测输出值 (A) | 标准表显示值 (A) DC | | | | | | |
| | IA | IB | IC | Ia | Ib | Ic | $U_{rel}(k=2)$ |
| 1.000 | 1.0047 | 1.0043 | 1.0059 | 1.0070 | 1.0070 | 1.0056 | 0.11% |
| 2.000 | 2.0093 | 2.0083 | 2.0092 | 2.0123 | 2.0115 | 2.0109 | 0.11% |
| 5.000 | 5.0271 | 5.0240 | 5.0245 | 5.0271 | 5.0241 | 5.0243 | 0.11% |
| 8.000 | 8.0432 | 8.0401 | 8.0402 | 8.0424 | 8.0345 | 8.0400 | 0.11% |
| 10.000 | 10.053 | 10.049 | 10.050 | 10.051 | 10.043 | 10.050 | 0.11% |

