



广州高铁计量检测股份有限公司

Guangzhou Gaotie Metrology and Test Co., Ltd.



中国认可
国际互认
校准
CALIBRATION
CNAS L2203

证书编号:
Certificate No.



GTC01819006011-001

校准证书

CALIBRATION CERTIFICATE



委 托 方
Client

Hitachi Soe Electric & Machinery Co. Ltd.

地 址
Address

Building No. 1, Aung Chan Thar Housing Estate, East Shwe Gondine Road, Bahan Township, Yangon, Myanmar

样 品 名 称
Description

DC Winding Resistance Tester

型 号 / 规 格
Model/Type

JYR(10C)

编 号
Serial No.

01179514

制 造 商
Manufacturer

Baoding KingRun Technology Co., Ltd.

接 收 日 期
Date of Receipt

2019 - 09 - 02



批准人
Approved by

吕文龙

吕文龙

审核人
Checked by

湛耀宗

湛耀宗

校准员
Calibrated by

邓志聪

邓志聪

校准日期
Date of Calibration

2019 - 09 - 03

建议再校日期
Date of next Calibration

2020 - 09 - 02



扫一扫查真伪

地址: 广州市番禺区大石街南大公路礼村鸿图工业园A1幢1、2楼

Add: 1-2F, Building A1, Hongtu Industrial Park, Licun Road, Nanda Road, Dashi Street, Panyu District, Guangzhou, Guangdong, China

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公司网址 (Web): <http://www.gaotie.com>

微信公众号 (WeChat): 广州高铁计量



说明

DIRECTIONS

证书编号:
Certificate No.



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1. 本公司质量管理体系符合ISO/IEC 17025: 2005 标准的要求。

The quality system is in accordance with ISO/IEC 17025:2005.

2. 本公司所出具的数据均可溯源至国家计量基准和国际单位制(SI)。

All data issued by this laboratory are traceable to national primary standards and SI Units.

3. 本次校准的技术依据:

Reference documents for the Calibration:

JJG 1052-2009 《回路电阻测试仪、直阻仪检定规程》

4. 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 Name of Equipment / Model	编 号 Serial No.	证书编号/有效期 Certificate No. /Due date	计量特性 Metrological/Characteristic
模拟大功率直流标准电阻器 MZB-600	GT/SB-D222	DYL201960330/ 2020-04-17	电阻: $U_{rel}=0.015\%$ 电流: $U_{rel}=0.02\% (k=2)$
直流电阻器 ZX54型	GT/SB-D028	DG201900026/ 2020-01-23	0.01级

校准地点: 本公司实验室(lab)

Place of the Calibration:

校准环境条件: 温度: 23 °C
Environmental of the Calibration Temperature

相对湿度: 56 %RH
Relative humidity

注:

Note: 1.The results relate only to the items calibrated.

1. 本证书校准结果只与受校准仪器有关。
2. 未经本公司书面批准, 不得部分复制此证书。
3. 此证书无本公司盖章无效。
4. 证书与原始记录同号。

- 2.This certificate shall not be reproduced except to full, without the written approval of our laboratory.
- 3.This certificated shall not be valid without stamp of our institute.
- 4.This certificate No. is according to the record No.



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校准结果
RESULTS OF CALIBRATION

1.Appearance and general examination:Passed

2.Resistance indication error calibration:

Standard value	Indication value	Error	Permissible error	Result
(mΩ)	(mΩ)	(mΩ)	(mΩ)	(Pass/Fail)
1	1.0011	0.0011	± 0.0020	P
5	5.002	0.002	± 0.010	P
10	10.003	0.003	± 0.020	P
50	50.03	0.03	± 0.10	P
100	100.05	0.05	± 0.20	P
500	499.5	-0.5	± 1.0	P
1000	999.8	-0.2	± 2.0	P
(Ω)	(Ω)	(Ω)	(Ω)	(Pass/Fail)
5	5.003	0.003	± 0.010	P
10	10.002	0.002	± 0.020	P
50	50.03	0.03	± 0.10	P
100	100.10	0.10	± 0.20	P
500	499.6	-0.4	± 1.0	P
1000	999.7	-0.3	± 2.0	P
(kΩ)	(kΩ)	(kΩ)	(kΩ)	(Pass/Fail)
5	5.002	0.002	± 0.010	P
10	9.993	-0.007	± 0.020	P

3.Current indication error calibration:

Standard value	Indication value	Error	Permissible error	Result
(A)	(A)	(A)	(A)	(Pass/Fail)
10.0	10.06	-0.06	± 0.20	P
3.02	3.056	-0.036	± 0.060	P
1.02	1.005	0.015	± 0.020	P
(mA)	(mA)	(mA)	(mA)	(Pass/Fail)
99.9	99.95	-0.05	± 2.00	P



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校准结果

RESULTS OF CALIBRATION

Conclusion: It meets the technical requirements of the calibrated projects.

Remarks: 1.The extended uncertainty in this report is multiplied by the standard uncertainty by the inclusion factor k when the inclusion probability is about 95%

OHM: $U_{\text{rel}} = 0.12\%$

I: $U_{\text{rel}} = 0.3\%$ ($k=2$)

2.Based on JJF 1059.1-2012 Evaluation and Expression of Uncertainty in Measurement.

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