



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.



GTC01819006010-001

校准证书

CALIBRATION CERTIFICATE



委 托 方	Hitachi Soe Electric & Machinery Co. Ltd.
地 址	Building No. 1, Aung Chan Thar Housing Estate, East Shwe Gondine Road, Bahan Township, Yangon, Myanmar
样 品 名 称	DC Winding Resistance Tester
型 号 / 规 格	JYR(20C)
编 号	01189972
制 造 商	Baoding Kingrun Technology Co, Ltd.
接 收 日 期	2019 - 09 - 02



批准人
Approved by

吕文龙

吕文龙

审核人
Checked by

李镇浩

李镇浩

校准员
Calibrated by

孔维锋

孔维锋

校准日期 2019 - 09 - 03
Date of Calibration

建议再校日期 2020 - 09 - 02
Date of next Calibration



扫一扫查真伪

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说明

DIRECTIONS

证书编号:



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GTC01819006010-001

第 2 页 共 3 页

Page of

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》

JJG 1052-2009 《Verification Regulation of Loop Resistance Tester and DC Resistance Meters》

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 Analog High Power DC Standard Resistor	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 Direct Current Resistor	GT/SB-D028	DG201900026/ 2020-01-23	0.01级

校准地点: 本公司电磁室 Electromagnetic Lab

Place of the Calibration:

校准环境条件:

温度: 23 °C

相对湿度: 56 %RH

Environmental of the Calibration Temperature

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.This certificate shall not be reproduced except to full, without the written approval of our laboratory.

2. 未经本公司书面批准, 不得部分复制此证书。

3.This certificated shall not be valid without stamp of our institute.

3. 此证书无本公司盖章无效。

4.This certificate No. is according to the record No.

4. 证书与原始记录同号。



证书编号:

Certificate No.



GTC01819006010-001

第 3 页 共 3 页

Page of

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	1.001	0.001	± 0.002	P
5	5.004	0.004	± 0.010	P
10	10.00	0.00	± 0.02	P
50	50.04	0.04	± 0.10	P
100	100.0	0.0	± 0.2	P
500	500.3	0.3	± 1.0	P
(Ω)	(Ω)	(Ω)	(Ω)	(Pass/Fail)
1	1.000	0.000	± 0.002	P
5	5.010	0.010	± 0.010	P
10	10.01	0.01	± 0.02	P
100	100.1	0.1	± 0.2	P
(kΩ)	(kΩ)	(kΩ)	(kΩ)	(Pass/Fail)
1	1.000	0.000	± 0.002	P
10	9.999	-0.001	± 0.020	P

3.Current indication error calibration:

Standard value	Indication value	Error	Permissible error	Result
(A)	(A)	(A)	(A)	(Pass/Fail)
20	19.67	0.33	± 0.40	P
10	9.80	0.20	± 0.20	P
5	4.95	0.05	± 0.10	P
1	0.99	0.01	± 0.02	P
(mA)	(mA)	(mA)	(mA)	(Pass/Fail)
200	198.0	2.0	± 4.0	P
100	99.6	0.4	± 2.0	P

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: $U_{rel} = 0.12\%$

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

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

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