



广州力赛计量检测有限公司  
GUANGZHOU LISAI CALIBRATION AND TESTING CO.,LTD



校准证书  
CALIBRATION CERTIFICATE



扫一扫验真  
2WB20052021193-0039

证书编号:  
Certificate No.

委托方:  
Client  
湘潭潭州电力建设有限公司

委托方地址:  
Address  
湘潭市昭山两型产业发展中心西楼二楼213号

仪器名称:  
Description  
兆欧表

型号/规格:  
Model/Type  
MS-2671F

制造厂商:  
Manufacturer  
武汉市木森电气有限公司

出厂编号:  
Serial No  
1320042802

管理号:  
Asset No  
/

样品接收日期:  
Date of Receipt  
2020-05-25  
Y M D

结论:  
Conclusion  
所校准项目合格(Passed at Calibration Items)

校准日期:  
Date of Calibration  
2020-05-25  
Y M D

建议下次校准日期:  
Due Date  
2021-05-24  
Y M D

校准:  
Calibration by  
赵锐锐

审核:  
Inspected by  
李如平

批准人:  
Approved Signatory  
方文潮 (总经理)

证书专用章  
(Stamp)

本实验室地址: 广东省广州市番禺区石碁镇农科所南街8号

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广州力赛计量检测有限公司  
GUANGZHOU LISAI CALIBRATION AND TESTING CO., LTD



中国认可  
国际互认  
校准  
CALIBRATION  
CNAS L1127

# 校准说明

DIRECTIONS OF CALIBRATION

证书编号:  
Certificate No.



2WB20052021193-0039

1. 本机构是国家认可的计量检定机构，质量管理体系符合ISO/IEC17025标准要求。  
This station is the national authorized metrological verification station. The quality system is in accordance with ISO/IEC17025.
2. 本机构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 station are traceable to national primary standards and International System of Units(SI)
3. 证书内页中"P"代表"Pass";"F"代表"Fail";"N/A"代表"Not Applicable".  
In the datasheet,"P" represents "Pass" and "F" represents "Fail" and "N/A" represents "Not Applicable".
4. 环境条件。(Environmental condition during the calibration).  
温度(Temperature): 22°C 相对湿度 (Relative Humidity): 54 %
5. 校准地点。(Place of the Calibration).  
客户现场(一楼实验室)
6. 被校准仪器限制使用条件。(Limiting condition of the instrument Calibration).  
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7. 本次校准的技术依据。(Reference documents for the Calibration).  
JJG 1005-2005 电子式绝缘电阻表检定规程 V. R. for Electronic Insulating Resistance Meters
8. 本次校准使用的主要计量标准器具。(Main standards of measurement used in the Calibration).

名称 Description	出厂编号 Serial No.	证书号/有效期 Certificate No./ Due Date	溯源机构 Traceability Institute	技术特征 Technique Character
数字高压表	10061888	3GC19120817641-1090/2021-01-09	广州力赛计量检测有限公司	DCV:±(0.5%rdg + 0.03% range) ACV:±(1%rdg + 0.05% range)
兆欧表标准电阻器	1609480	1GA19120917866-006/2020-12-1	广州力赛计量检测有限公司	电阻: ±(0.2% ~ 2%)

1. 本结果只与受校准/试验样品有关。The result relate only to the items calibrated/testing.  
2. 未经本机构书面批准，不得部分复制校准/试验报告。This certificate or report shall not be reproduced except in full, without the written approval of our station.



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1、外观以及一般性检查: 正常  
In view of External and Generality check : Pass

2、绝缘电阻测量 (Insulation Resistance Measurement) :

电压	标准值	指示值	误差	不确定度	允许误差	结论	
Voltage	Reference	Indication	Error	Uncertainty	MPE	Conclusion	
(V)	(MΩ)	(MΩ)	(MΩ)	(%)	(MΩ)	(Pass/Fail)	
500	5.00	5.03	0.03	0.2	± 0.27	P	
	10.00	10.05	0.05	0.2	± 0.52	P	
	20.0	20.1	0.1	0.6	± 1.2	P	
	50.0	50.3	0.3	0.6	± 2.7	P	
	100.0	100.8	0.8	0.6	± 5.2	P	
	200	202	2	1.2	± 12	P	
	500	503	3	1.2	± 27	P	
1000	1000	1005	5	1.2	± 52	P	
	(GΩ)	(GΩ)	(GΩ)	(%)	(GΩ)	(Pass/Fail)	
	2.00	2.01	0.01	1.2	± 0.12	P	
	5.00	5.03	0.03	1.2	± 0.27	P	
	10.00	10.08	0.08	1.2	± 0.52	P	
	(V)	(MΩ)	(MΩ)	(MΩ)	(%)	(MΩ)	(Pass/Fail)
	1000	10.00	10.03	0.03	0.2	± 0.52	P
1000	20.0	20.1	0.1	0.6	± 1.2	P	
	50.0	50.4	0.4	0.6	± 2.7	P	
	100.0	101.0	1.0	0.6	± 5.2	P	
	200	202	2	1.2	± 12	P	
	500	504	4	1.2	± 27	P	
	1000	1006	6	1.2	± 52	P	
	(GΩ)	(GΩ)	(GΩ)	(%)	(GΩ)	(Pass/Fail)	
2.00	2.01	0.01	1.2	± 0.12	P		
5.00	5.03	0.03	1.2	± 0.27	P		
10.00	10.08	0.08	1.2	± 0.52	P		



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中国认可  
国际互认  
校准  
CALIBRATION  
CNAS L7127

ZWB20052021193-0039

2、绝缘电阻测量 (Insulation Resistance Measurement) : 续上

电压 Voltage (V)	标准值 Reference (MΩ)	指示值 Indication (MΩ)	误差 Error (MΩ)	不确定度 Uncertainty (%)	允许误差 MPE (MΩ)	结论 Conclusion (Pass/Fail)
2500	10.00	10.04	0.04	0.2	± 0.52	P
	20.0	20.2	0.2	0.6	± 1.2	P
	50.0	50.6	0.6	0.6	± 2.7	P
	100.0	101.2	1.2	0.6	± 5.2	P
	200	202	2	1.2	± 12	P
	500	504	4	1.2	± 27	P
	1000	1006	6	1.2	± 52	P
	(GΩ)	(GΩ)	(GΩ)	(%)	(GΩ)	(Pass/Fail)
	2.00	2.02	0.02	1.2	± 0.12	P
	5.00	5.05	0.05	1.2	± 0.27	P
	10.00	10.08	0.08	1.2	± 0.52	P

3、测试电压 (Test Voltage) :

标称值 Nominal (V)	标准值 Reference (V)	误差 Error (V)	不确定度 Uncertainty (%)	允许误差 MPE (V)	结论 Conclusion (Pass/Fail)
500	503	-3	0.8	± 50	P
1000	1008	-8	0.8	± 100	P
2500	2520	-20	0.8	± 100	P

附: 关于测量结果不确定度的说明:

appendix: Directions of uncertainty in the calibration

1.依据(Reference document)

JJF 1059.1-2012测量不确定度评定与表示

(JJF 1059.1-2012 Evaluation and Expression of Uncertainty in Measurement)

2.测量结果扩展不确定度 (Expanded uncertainty of the measurement results)

k=2

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