



校准证书

CALIBRATION CERTIFICATE

客户名称

资产编号

_____ 证书编号: JL2407445191

第 1 页, 共 3 页 Page 1 of 3 Pages

Name of Customer		ESDMAN CO., LTD.
客户地址 Address of Customer	:	Rm 505, Bldg A, 5th Floor, No. 2004, Xihuan Road, Shatou Community, Shajing Ave Baoan Dist. Shenzhen, China
计量器具名称 Name of Instrument	:	Dual Footwear / Wrist Strap Resistance Calibrator
型号/规格 Type/Specification	:	001-1005

出厂编号 : 9982357987 Serial No

Asset No 制造单位 Manufacture : ESDMAN

校准依据 : JJG166-2022 Verification Regulation of DC Standard Resistors

校准日期 : 2024年05月23日 Operation Date Year Month Day

建议复校日期: 2025年05月22日 Suggested Recal.Date Year Month Day

签发日期 : 2024年05月27日
Issue Date Year Month Day

批准人: 冯锦坤

签名 : **冯锦坤**

核验员: 準さめ Checked by

校准员: **全**公人

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深圳市计量质量检测研究院

(校准专用章)

Stamp

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重要声明

Important statement

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2. 本院(站)进行的检定、校准和检测均可溯源至国际单位制(SI)单位和社会公用计量标准。

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To ensure that the calibrated object is properly used under given conditions in compliance with technical specifications or regulations, recalibrate before the suggested date (Applicable to calibration report only).

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The results provided by the certificate/report are only valid for the measuring object under test this time

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获得的国家、省、市专业站 Establishment of Following Institutions

国家数字电子产品质量检验检测中心

National Digital Electronic Product Testing Center (NETC)

国家营养食品质量检验检测中心 (广东)

National Nutrition Food Testing Center (Guangdong)

国家体育用品质量检验检测中心(广东)

National Sports Product Testing Center (Guangdong)

国家环保产品质量检验检测中心 (广东)

National Environmental Product Testing Center (Guangdong)

国家分布式光伏发电系统质量检验检测中心 (广东)

National Distributed Photovoltaic Power Generation System Testing Center (Guangdong)

国家电动汽车电池及充电系统产业计量测试中心

National Metrology Center for Electric Vehicle Battery and Charging System Industry 国家民用无人机产品质量检验检测中心 (广东)

National Civil Unmanned Aerial Vehicle Product Testing Center (Guangdong)

国家高新技术计量站

National Hi-tech Metrology Station

国家医疗器械产业计量测试中心

National Metrology and Testing Center for Medical Device Industry 国家计量数据科学中心深圳分中心

National Metrology Data Science Center (Shenzhen)

国家城市能源计量中心 (深圳)

National Urban Energy Measurement Center (Shenzhen)

中国轻工业联合会家具质量监督检测深圳站

Accredited Testing Station (Shenzhen) for Furniture by China National Light Industry Council (CNLIC)

广东省质量监督食品检验站 (深圳)

Guangdong Quality Supervision and Inspection Institution for Food (Shenzhen)

广东省质量监督生态纺织服装产品检验站 (深圳)

Guangdong Quality Supervision and Inspection Institution for Ecological Textile and Garment Products (Shenzhen)

广东省质量监督皮革制品检验站

Guangdong Quality Supervision and Inspection Institution for Leather Products

广东省质量监督家具检验站 (深圳)

Guangdong Quality Supervision and Inspection Institution for Furniture Products (Shenzhen)

广东省质量监督学生用品检验站 (深圳)

Guangdong Quality Supervision and Inspection Institution for Student's Articles (Shenzhen)

广东省质量监督自行车检验站

Guangdong Quality Supervision and Inspection Institution for Bicycle Quality

广东省质量监督钟表检验站 (深圳) Guangdong Quality Supervision and Inspection Institution for Horological Products (Shenzhen)

广东省质量监督环保节能产品 (安全性能)检验站 (深圳)

Guangdong Quality Supervision and Inspection Institution for Safety Performance of Environmental Protection and Energy Saving Products (Shenzhen)

广东省质量监督眼镜检验站 (深圳)

Guangdong Quality Supervision and Inspection Institution for Eyewear Products (Shenzhen) 广东省质量监督电磁兼容检验站

Guangdong Quality Supervision and Inspection Institution for Electromagnetic Compatibility

广东省质量监督综合布线系统检验站

Guangdong Quality Supervision and Inspection Institution for Generic Cabling System

深圳市纤维纺织检验所

Shenzhen Quality Inspection Institution for Fiber and Textile

深圳市建材产品质量监督检验站

Shenzhen Quality Supervision and Inspection Institution for Building Materials

深圳市消防产品燃烧性能检测中心

Shenzhen Testing Center for Burning Behavior of Fire Protection Products

联系方式 Contact Information

传真电话 Fax No.: 0755-27591716(宝安) 82408176(八卦岭) 28932840(龙岗) 0769-21684527(东莞)

投诉及证书/报告真伪查询电话 Complaint Tel.: 400-900-8999 按 5 Email: complaint@smq.com.cn



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Certificate №

第 2 页, 共 3 页 Page 2 of 3 Pages

校准用主要计量标准装置信息

Main Standard Devices Used

名称 Equipment Name	测量范围 Measuring Range	不确定度/准确度等级/ 最大允许误差 Uncertainty/Accuracy Class/ Maximum Permissible Error	计量标准考核证书号 Certificate №	有效期至 Due Date

校准用主要标准器信息

Main Standards of Measurement Used

名称 Equipment Name	测量范围 Measuring Range	不确定度/准确度等级/ 最大允许误差 Uncertainty/Accuracy Class/ Maximum Permissible Error	设备编号 Equipment №	有效期至 Due Date	溯源单位/ 证书号 Traceability to/ Certificate №
参考级数字万用表	ACU:(0.1 μ V \sim 1050V);DCU:(1nV \sim 1050V);ACI:(0.1nA \sim 20A);DCI:(0.01nA \sim 20A);R:(0.01 μ Ω \sim 20GΩ)	ACU:±0.0065%R;DCU:±0.0003 %R;ACI:±0.025%R;DCI:±0.001 2%R;R:±0.00075%R	SB4419	2024-08-03	

附加说明 Appended Directions

委托日期: Application Date

2024年05月21日

环境条件:

Operation Environment

温度 20.0℃ 相对湿度 60%

校准地点:

Operation Location

本院电磁 419 室

校准项目/参数说明: Items Instructions

本次校准根据委托方要求实施,校准项目/参数详见校准结果

符合性及限制使用说明:

Statement of Compliance and Limitation

所校准项目(或量值)合格(Passed at Calibration Items)

备注: 计量器具经本次校准的量值符合客户提供的技术指标/校准规范/检定规程/计量器具技术说明书提供的判断依 Remark 据(准确度等级、最大允许误差限等)要求。



校准结果

RESULTS OF CALIBRATION

证书编号: JL2407445191 Certificate № 第 3 页, 共 3 页 Page 3 of 3 Pages

1 Appearance check: Normal

2 Intrinsic Error of Resistance: see Table 1

Table 1 Intrinsic Error of Resistance

 Nominal Value	Actual Value	Error	MIE	Conclusion
(kΩ)	(kΩ)	(%)	(%)	(Pass/Fail)
91	91.06	-0.1	± 1	P
110	110.4	-0.4	± 1	P
680	679.4	0.1	± 1	P
820	820.9	-0.1	± 1	P
$(M\Omega)$	$(M\Omega)$	(%)	(%)	
9	8. 974	0.3	± 1	P
11	11.04	-0.4	\pm 2	P
32	31.83	0.5	± 2	P
38	37.69	0.8	\pm 2	P
90	90. 51	-0.6	\pm 2	P
110	111.6	-1.4	\pm 6	P
800	808. 2	-1.0	\pm 6	P
$(G\Omega)$	$(G\Omega)$	(%)	(%)	
1. 1	1. 093	0.6	\pm 6	P

Notes:

 $1. \ \ Relative \ Expanded \ Uncertainty \ of \ Resistance \ Measurement \ Results$

- 2. The uncertainty given in this certificate is evaluated according to JJF 1059.1-2012 Evaluation and Expression of Uncertainty in Measurement.
- 3. Basis for the Conclusion: Technical Specification of the Instrument.
