

# 校准证书

## CALIBRATION CERTIFICATE



证书编号: JL2390814691

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客户名称 Name of Customer	: 深圳市艾特讯科技有限公司
客户地址 Address of Customer	: 深圳市宝安区留仙二路鸿荣源鸿威工业区 A 栋
计量器具名称 Name of Instrument	: 标准震动校准器
型号/规格 Type/Specification	: VC02
出厂编号 Serial No	: V2309005
资产编号 Asset No	: -----
制造单位 Manufacture	: MegaSig
校准依据 Calibrated in Accordance to	: JJG 1062-2010 便携式振动校准器

(校准专用章)  
Stamp

批准人 : 张瑞纹  
Approved by

签名 : 张瑞纹  
Signature

核验员 : 胡蓉  
Checked by

校准员 : 段志许  
Calibrated by

校准日期 : 2023 年 09 月 26 日  
Operation Date Year Month Day

建议复校日期 : 2024 年 09 月 25 日  
Suggested Recal.Date Year Month Day

签发日期 : 2023 年 10 月 08 日  
Issue Date Year Month Day

证书首页背面“重要声明”是证书的组成部分,任何未包含“重要声明”内容的复制均为不完整复制。

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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)  
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国家计量数据科学中心深圳分中心  
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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)  
广东省质量监督节能环保产品(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)  
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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

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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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## 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 No	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 No	有效期至 Due Date	溯源单位/ 证书号 Traceability to/ Certificate No
振动仪标准传感器	0.2 Hz ~ 4000 Hz( $\pm 1\%$ )	Urel = 0.5 %, k = 2	SB0424/02	2024-04-25	
声学振动测试前端 (含软件)	DC~51.2 kHz	电平 $\pm 0.01$ dB	SB14128/03	2024-09-10	

## 附加说明

### Appended Directions

委托日期: 2023 年 09 月 26 日 环境条件: 温度 25°C 相对湿度 53%  
Application Date Operation Environment

校准地点: 本院声学龙珠实验室  
Operation Location

校准项目/参数说明: 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  
Items Instructions

符合性及限制使用说明: 所校准项目 (或量值) 合格(Passed at Calibration Items)  
Statement of Compliance and Limitation

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据 (准确度等级、最大允许误差限等) 要求。  
Remark

# 校准结果

RESULTS OF CALIBRATION

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1 外观检查: 正常。  
Appearance Check: Pass.

2 振动幅值  
Amplitude: See Table 1

表 1 Table 1

	标称值 Standard Value	实测值 Measured Value	误差 Error	最大允差 M. P. E.
加速度 ACC.	m/s <sup>2</sup> 9.81	m/s <sup>2</sup> 10.00	% -1.9	% ±3.0

3 频率:  
Frequency: See Table 2

表 2 Table 2

	标称值 Standard Value	实测值 Measured Value	误差 Error	最大允差 M. P. E.
	Hz 159.2	Hz 159.0	% +0.0	% ±1.0

4 加速度波形失真度:  
ACC. Distortion: See Table 3

表 3 Table 3

	标称频率 Nominal Freq.	标称幅值 Nominal Amplitude	失真度 Distortion	允许范围 Limit
	Hz 159.2	m/s <sup>2</sup> 9.81	% +1.5	% ≤5.0

附注:  
Notes:

- 1) 等效速度和等效位移由参考频率加速度换算得出
- 2) 测量结果扩展不确定度:  
Relative Expanded Uncertainty

# 校准结果

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加速度 (Acceleration):  $U_{rel} = 2.0\%$ ,  $k = 2$

(依据JJF1059.1-2012测量不确定度评定与表示)

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

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