

校准证书

CALIBRATION CERTIFICATE

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客户名称 : 深圳市美格信测控技术有限公司

Name of Customer

客户地址 : 深圳市光明区玉塘街道同仁路盛荟红星创智广场1栋2单元1002

Address of Customer

计量器具名称 : 标准震动校准器

Name of Instrument

型号/规格 :

VC02

Type/Specification

出厂编号 :

V2309005

Serial No

资产编号 :

Asset No

制造单位 :

MegaSig

Manufacture

校准依据 :

JJG 1062-2010 便携式振动校准器

Calibrated in Accordance to



批准人 : 张瑞纹

Approved by

签名 : 张瑞纹

Signature

核验员 : 胡蓉

Checked by

校准员 : 阮生许

Calibrated by

校准日期 : 2023 年 09 月 26 日

Operation Date

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。

深圳市计量质量检测研究院

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Shenzhen Academy of Metrology & Quality Inspection

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Customer Service Hotline: 400 900 8999 - 1

Post Code: 518055 http://www.smq.com.cn

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重要声明

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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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The QR code has the function of browsing and downloading complete report. Setting this function or not is chosen by the customer. The QR code and its copy enable anyone to scan and obtain the complete electronic version of the test report. Thus, if the owner of this report needs to restrict others from obtaining the content of the test report through the QR code, he shall cover or remove the QR code attached to the test report and its copies by himself. SMQ assumes no responsibility for the information leakage caused by the customer's selection of the QR code function of the test report (This clause applies to certificates with QR code attached) ..

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)
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

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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(±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±0.01dB	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 ² 9.81	m/s ² 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 ² 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

RESULTS OF CALIBRATION

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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.)
