



校准证书

CALIBRATION CERTIFICATE

证书编号:
Certificate No.



J201907116041-0001

第 1 页 共 3 页
Page of

委托方
Client

优利德科技(中国)股份有限公司

委托方地址
Address

广东省东莞松山湖高新技术产业开发区工业北一路6号

仪器名称
Description

激光卷尺(激光测距仪)

型号/规格
Model/Type

LM40T

制造厂
Manufacturer

UNI-T

出厂编号
Serial No.

管理号
Asset No.

661163

校准日期

2019年07月17日

Date of Calibration

Y M D

样品接收日期

2019年07月12日

Date of Receipt

Y M D

批准人:

Approved Signatory

李伟强(主管)

审核:

Inspected by

伍水生

校准:

Calibrated by

杜腾锋



总部地址: 广东省广州市黄埔大道西平云路163号(分场所地址见公司网站)

Headquarters Address: No.163.Pingyun Rd, West of HuangPu Ave.Guangzhou.
Guangdong.China(Each Address Can be Found on The Company's Website)

联系电话(Tel.): 020-38699960, 66830999, 400-602-0999

传真(Fax): 020-38695185

邮政编码(Postcode): 510656

网站(Website): [http:// www.grgtest.com](http://www.grgtest.com)

电子邮件(E-mail): grgtest@grgtest.com



扫一扫验真伪

校 准 说 明

DIRECTIONS OF CALIBRATION

证书编号: J201907116041-0001

第 2 页 共 3 页

Certificate No.

Page of

1. 本实验室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 GRGTest are traced to National Primary Standards and International System of Units(SI).)
2. 本结果仅对当次被测样品有效, 如有疑问请在15个工作日内反馈。(The result is ONLY valid for the tested sample, please feedback to us within 15 working days if you have any question.)
3. 本证书编号具有唯一性, 后缀若带有“-Gx”的证书为替换证书, 自发出后原证书即刻作废。
(Each certificate has a unique number. The suffix of "-Gx" will be added to the number as a replacement of the old version. The original certificate will be officially invalid once the new certificate number is issued.)
4. 证书中如有最大允许误差、判定结果, 仅供参考, 其中“P”代表“合格”, “F”代表“不合格”。使用人员还应结合实际测量要求, 评估校准结果测量不确定度对符合性评定的影响。(MPE & judgement result in the datasheet is only for reference, "P" represents "Pass" and "F" represents "Fail". Whereas users should evaluate the effects of measurement uncertainty of calibration results on conformity determination associated with actual measurement.)
5. 本次校准的技术依据及CNAS认可范围, 超出范围的内容未被认可。注: 详细的认可范围请查看CNAS网站中注册编号为L0446的证书附件。(Reference document and accredited scope by CNAS for calibration, beyond which isn't accredited. Please see the attachment of certificate No.L0446 on CNAS website for details.)
JJG 966-2010 手持式激光测距仪检定规程(V.R. of Hand-held Laser Distance Meters): (0~90)m

6. 本次校准使用的主要测量标准(Main Standards of Measurement Used in the Calibration.):

名称 / 型号	编 号	证书号/有效期	溯源机构	技术特征
Description / Model	Serial No.	Certificate No./ Due Date	Traceability Institute	Technique Character
GPS基线场/6点	01-06	CDJX2018-21 2021-06-02	国家测绘局第一 大地测量队	$U = (0.02 \sim 0.25) \text{ mm } k=2$
标准钢卷尺/5m	060108	CJC201817844 2019-10-07	广东省计量科学 研究院	MPE:(0.03+3E-5L)mm

7. 校准地点、环境条件(Place and environmental conditions of the calibration):

地点	广州计量长度基线场	温度	30	℃	相对湿度	54	%
Place		Temperature			Relative Humidity		

8. 建议复校时间间隔: 1 年, 送校单位也可按实际使用情况自主决定。
Suggested calibration interval is 1 year or it can be altered depending on the actual usage of the user.

校 准 结 果
RESULTS OF CALIBRATION

证书编号: J201907116041-0001

第 3 页 共 3 页

Certificate No.

Page of

项目 Subject	实测值 Measured Value	技术指标 Specification	结论 (P/F) Conclusion
1、外观质量与功能: Appearance quality and function:	符合要求		
2、测量重复性: Repeatability :	0.4mm	≤ 1.0mm	P
3、示值误差: Error:	见下表	± (3.0mm + 5×10 ⁻⁵ D) (D为被测距离)	

标准值/m	测量平均值 /m	示值误差 /mm	允许误差/mm	结论 (P/F)
0.2	0.2030	+3.0	± 3.0	P
0.5	0.5030	+3.0	± 3.0	P
0.8	0.8022	+2.2	± 3.0	P
1	1.0020	+2.0	± 3.1	P
2	2.0020	+2.0	± 3.1	P
3	3.0022	+2.2	± 3.2	P
4	4.0020	+2.0	± 3.2	P
5	5.0022	+2.2	± 3.3	P
5.99484	5.9972	+2.4	± 3.3	P
9.00006	9.0022	+2.1	± 3.5	P
11.99967	12.0022	+2.5	± 3.6	P
29.99592	29.9990	+3.1	± 4.5	P

备注 (Notes):

结论 (Conclusion): 所校项目符合1级技术要求

1.本次测量结果扩展不确定度: $U = 1.0 \text{ mm}(k=2)$

(Expanded uncertainty of the measurement results)

2.本报告中的扩展不确定度是由标准不确定度乘以包含概率约为95%时的包含因子 k 。The expanded uncertainty is given in the report by the standard uncertainty multiplied by the probability of about 95% when the factor k .

3.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)

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