



检定证书

VERIFICATION CERTIFICATE

证书编号 CYQ202433356
Certificate No.

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委托方 Client	优利德科技(中国)股份有限公司		
委托方联络信息 Contact Information	广东省东莞市松山湖园区工业北一路6号		
计量器具名称 Description	手持式激光测距仪		
型号/规格 Model/Type	LM50S		
制造厂 Manufacturer	UNI-T		
出厂编号 Serial No.	240912038	设备管理编号 Equipment No.	----
接收日期 Receipt on	2024 年 11 月 01 日 Y M D		
结论 Conclusion	2级合格 Qualified for Grade 2		
检定日期 Date of Verification	2024 年 11 月 14 日 Y M D		
依据检定规程, 被检仪器检定周期不超过 The verification period is	壹 年 1 year(s)		

批准人
Approved Signatory 张勇 张勇

核 验
Reviewed by 牛鹏磊 牛鹏磊

检 定
Verified by 杨尚维 杨尚维

检定专用章
Stamp



扫一扫查真伪



说 明

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DIRECTIONS

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1. 本中心是国家市场监督管理总局在华南地区设立的国家法定计量检定机构, 计量授权证书号是: (国) 法计 (2022) 01043号、(国) 法计 (2022) 01032号。本中心质量管理体系符合 ISO/IEC 17025:2017 标准的要求。

This laboratory is the National Legal Metrological Verification Institution in southern China set up by the State Administration for Market Regulation under authorization certificates No.(2022)01043 & (2022)01032. The quality system is in accordance with ISO/IEC 17025:2017.

2. 本中心所出具的数据均可溯源至国家计量基准和/或国际单位制(SI)。

All data issued by this laboratory are traceable to national primary standards and/or International System of Units (SI).

3. 检定地点、环境条件:

Place and environmental conditions of the verification:

地点 本中心精密测量及光学仪器实验室

温度 20 °C

相对湿度 55 %

Place

Temperature

R.H.

4. 本次检定的技术依据:

Reference documents for the verification:

JJG 966-2010 手持式激光测距仪检定规程 V. R. of Hand-held Laser Distance Meters

5. 本次检定使用的计量标准考核证书号:

Certificate No. for Examination of measurement standard used in the verification:

[2015]国量标粤证字第179号

6. 本次检定所使用的主要计量标准器具:

Major standards of measurement used in the verification:

设备名称/型号规格/测量范围 Name of Equipment /Model/Type/Range	编号 Serial No.	证书号/有效期/溯源单位 Certificate No./Due Date /Traceability to	计量特性 Metrological Characteristic
标准钢卷尺 Standard Steel Tape /100 m/(0~100)m	190006	CJC202407936 /2025-05-29 /本中心	$U = 5 \mu\text{m} + 5 \times 10^{-6} L, k = 2$
手持式激光测距仪室内检定设备 Indoor Verification Equipment of Hand-held Laser Distance Meters /SCSB/(6~105) m	201401	CJC202416566 /2025-10-30 /本中心	两平面间距离: $U = 0.020 \text{ mm}$ ($k = 2$) Distance between two parallel planes: $U = 0.020$ mm ($k = 2$)

注: 1. 本证书检定结果只与受检仪器有关。The results relate only to the items verified.

Note: 2. 未经本机构书面批准, 不得部分复制此证书。This certificate shall not be reproduced except in full, without the written approval of our laboratory.

3. “委托方”、“委托方联络信息”由委托方提供, “制造厂”、“型号规格”、“出厂编号”以及“设备编号”为仪器上标注, 委托方对上面内容如有异议, 须在收到证书后二十个工作日内提出。

The information Client and Contact Information are provided by client, and the Manufacturer, Model/Type, Serial No. and Equipment No. are marked on the items. Client shall submit any objection within 20 working days after receiving the certificate for the information above.

4. 本次检定日期视为发布日期。The verification date is the date of issue of the certificate.



检定结果
RESULTS OF VERIFICATION

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原始记录号 CYQ202433356
Record No.

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1	外观质量及各项功能: Appearance and functions:	合格 Pass	
2	测量重复性(标准偏差): Repeatability of measurement (experimental standard deviation)	0.0 mm	[MPE: 1.5 mm]
3	距离测量示值误差: Indication error of distance measurement	-4.1 mm	[MPE: $\pm(5.0 \text{ mm} + 5 \times 10^{-5} D)$]

说明:

Note:

1 检测距离: (0~46) m
Detect distance

最大误差出现在 18.0 m 处。
Maximum indication error occurs at 18.0 m.

2 "距离测量示值误差"测量结果的扩展不确定度: $U = 1.4 \text{ mm} + 1.4 \times 10^{-5} D$
Expanded uncertainty of measurement for "indication error of distance measurement"

包含因子 Coverage factor $k=2$

本证书中给出的扩展不确定度依据 JJF 1059.1-2012《测量不确定度评定与表示》评定, 由合成标准不确定度乘以包含概率约为 95% 时对应的包含因子 k 得到。

The expanded uncertainty given in this certificate is evaluated in accordance with JJF 1059.1-2012 *Evaluation and Expression of Uncertainty in Measurement*, which is obtained by multiplying the combined standard uncertainty by the coverage factor k corresponding to the coverage probability of about 95%.