

## 华南国家计量测试中心 一东省计量科学研究院



SOUTH CHINA NATIONAL CENTER OF METROLOGY GUANGDONG INSTITUTE OF METROLOGY

# 校准证书

### **CALIBRATION CERTIFICATE**

证书编号 CDP202500155 Certificate No.

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客户名称 Name of the Custom	优利德科技(中国) er	股份有	限公	门(		4	
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	倾角仪						
型号/规格 Model/Type	LM320F						
制造厂 Manufacturer	UNI-T					00	
出厂编号 Serial No.				备管理 ripme			LM320F-1
接收日期 Receipt on		2024	年 Y	12	月 M	26	日 D
结论 见校准结果 Conclusion Shown in the results of calibration							
校准日期 Calibration on		2025	年 Y	01	月 M	08	日 D
发布日期 Issue on		2025	年 Y	01	月 M	08	日 D

批 准 Authorized by

验

核

Reviewed by 准 校 Calibrated by

黄万钧 骆彬威

证书专用章 Stamp



扫一扫查真伪

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证书真伪查询: www.scm.com.cn; cert.scm.com.cn Certificate AuthenticityIdentify: www.scm.com.cn; cert.scm.com.cn



### 华南国家计量测试中心 广东省计量科学研究院



SOUTH CHINA NATIONAL CENTER OF METROLOGY GUANGDONG INSTITUTE OF METROLOGY

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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, 本中心的质量管理体系符 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. 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. 校准地点、环境条件:

Location and environmental conditions of the calibration:

本中心端度实验室

Location (Length Geometric Lab.)

温度 (20.2~20.3) ℃ 相对湿度

 $(40\pm 5)$  %

Temperature

R.H.

4. 本次校准的技术依据:

Reference documents for the calibration:

JJF1915-2021 倾角仪校准规范 C.S. for Clinometers

5. 本次校准所使用的主要计量标准器具:

Major standards of measurement used in the calibration:

设备名称/型号规格/测量范围

Name of Equipment

/Model/Type/Range

数显倾角仪自动校准装置

Automatic calibration device

for digital display

inclinometer

/QJYJZ-1A/(0~360)°

编号

Serial No.

NNQJZ1005

证书号/有效期/溯源单位

Certificate No./Due Date

/Traceability to

CDP202405509

/2025-07-31

/本中心

计量特性

Metrological Characteristic

允差: ±2.0"

MPE: ±2.0"

注: 1. 本证书校准结果只与受校准仪器有关。 The results relate only to the items calibrated.

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. "客户名称"、"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 Name of the Customer 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.



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## 校准结果 RESULTS OF CALIBRATION

证书编号 CDP202500155 Certificate No. 原始记录号 CDP202500155 Record No.

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1 外观及各部分相互作用: 符合要求

Appearance and functions: Pass

#### 2 仪器实测结果:

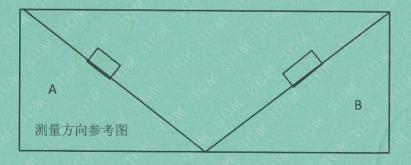
Measured value of instrument

标准值	仪器示值				
WIELE	A	В			
0°	0.00°	0.00°			
15.5°	15.50°	15.40°			
30°	30.00°	30.00°			
45°	44.95°	45.00°			
60°	59.95°	59.95°			
75°	75.15°	75.15°			
90°	89.90°	90.00°			

3 测角示值重复性:

0.04°

Repeatability of angle



#### 说明/Note:

1 校准活动中对测量结果有影响的条件:

Conditions under which the calibrations were made that have an influence on the measurement results:

温度 (Temperature): (20.2~20.3) ℃

平衡温度时间(Equilibrium Temperature Time): ≥2h



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## 校准结果 RESULTS OF CALIBRATION

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2 角度测量结果的扩展不确定度: U=0.05°

Expanded uncertainty related to angle

包含因子: k=2

Coverage factor

本证书中给出的扩展不确定度依据 "JJF1059.1-2012 《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 "JJF1059.1-2012 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%.

3 该仪器的溯源日期为本证书的"校准日期",按照所依据技术文件的规定,建议复校时间间隔不超过1年。 更换重要部件、维修或对仪器性能有怀疑时,应及时校准。

The traceability date of this instrument is the "Calibration Date" on this certificate. According to the demand of reference document, next calibration is proposed within 1 year. In case of replacement of important parts, maintenance or doubt on the performance of the instrument, it shall be calibrated in time.