



# 校准证书

## CALIBRATION CERTIFICATE

证书编号:  
Certificate No.



J201909207756-0007

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委托方  
Client

HK LEE HING INDUSTRY CO., LIMITED

委托方地址  
Address

See more at: <http://www.china-gauges.com/>

仪器名称  
Description

Test Probe 11 of IEC 61032

型号/规格  
Model/Type

LX-1211

制造厂  
Manufacturer

HK LEE HING INDUSTRY CO., LIMITED

出厂编号  
Serial No.

JLX2019G108895

管理号  
Asset No.

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校准日期

2019年09月23日

Date of Calibration

Y M D

样品接收日期

2019年09月20日

Date of Receipt

Y M D

批准人:

Approved Signatory

刘文鸣 (副总监)

审核:

Inspected by

赖志文

校准:

Calibrated by

林进祥

证书专用章  
(Stamp)

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)

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邮政编码(Postcode): 510656

扫一扫验真伪

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

电子邮件(E-mail): [grgtest@grgtest.com](mailto:grgtest@grgtest.com)

## 校准说明

## DIRECTIONS OF CALIBRATION

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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.)  
GRGJL.WI-CD-09-QBJZ100-2016试验指、棒、销、钩、探针校准方法 (Test finger, rod, pin, hock, probe):  
长度 (0~1000) mm; 力值 (0.001~200) N; 角度10°~120°

## 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<br>Description / Model | 编号<br>Serial No. | 证书号/有效期<br>Certificate No./<br>Due Date | 溯源机构<br>Traceability<br>Institute | 技术特征<br>Technique Character |
|--------------------------------|------------------|---|-----------------------------------|-----------------------------|
| 数显测高仪/ID-C150MXB               | 08136975         | J201907252222-<br>0004<br>2020-08-01    | 广州广电计量检<br>测股份有限公司                | MPE: ±0.005mm               |
| 图像处理万能工具显微镜<br>/JX13C          | ZH0020           | CYY201900266<br>2020-03-24              | 广东省计量科学<br>研究院                    | MPE: (1+L/100)µm            |

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

|             |             |                   |       |                           |      |
|-------------|-------------|-------------------|-------|---------------------------|------|
| 地点<br>Place | 广州计量长度精密测量室 | 温度<br>Temperature | 20 °C | 相对湿度<br>Relative Humidity | 60 % |
|-------------|-------------|-------------------|-------|---------------------------|------|

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

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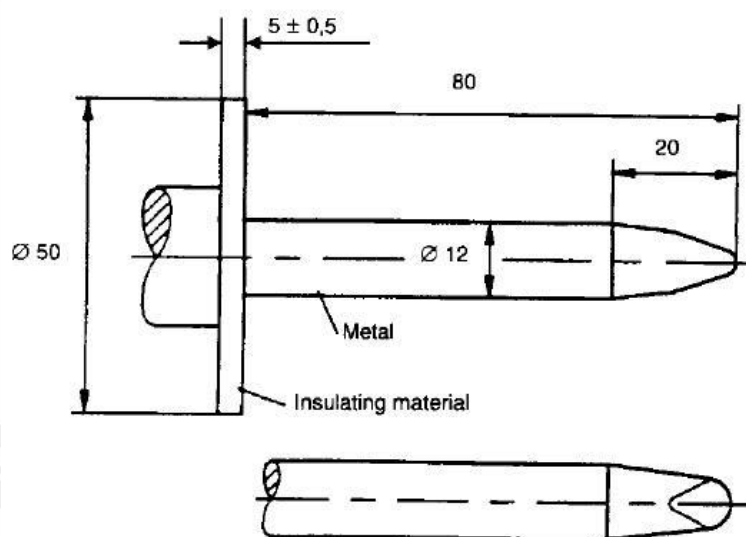
1、外观: 符合要求

Appearance:

2、尺寸测量:

Dimension measurement:

| 标称值 (mm)<br>Nominal   | 实测值 (mm)<br>Measured Value | 扩展不确定度 (mm)<br>$U(k=2)$ | 结论 (P/F)<br>Conclusion |
|-----------------------|----------------------------|-------------------------|------------------------|
| $(10)^0_{-0.05}$      | 9.98                       | 0.01                    | P                      |
| $20^0_{-0.05}$        | 19.98                      | 0.01                    | P                      |
| $80^{+0.2}_{-0.2}$    | 80.07                      | 0.05                    | P                      |
| $2^{+0.05}_{-0.05}$   | 2.02                       | 0.02                    | P                      |
| $4^{+0.05}_{-0.05}$   | 4.03                       | 0.02                    | P                      |
| $12^0_{-0.05}$        | 11.99                      | 0.01                    | P                      |
| $50^{+0.2}_{-0.2}$    | 49.92                      | 0.03                    | P                      |
| $5^{+0.5}_{-0.5}$     | 4.95                       | 0.03                    | P                      |
| $37^{\circ 0}_{-10'}$ | $36^{\circ}55'$            | 3'                      | P                      |
| $14^{\circ 0}_{-10'}$ | $13^{\circ}57'$            | 3'                      | P                      |





## 校 准 结 果 RESULTS OF CALIBRATION

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备注:

Notes:

结论(Conclusion): 所校准项目符合技术要求

1.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  $k$ .

2.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)

3.技术指标来自于:

IEC61032

Technical indicators source:

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