

# 数显卡尺说明书

## 安全注意事项

使用本仪器时，请遵守说明书上记载的规格、功能和使用注意事项，超出使用范围会影响本仪器的安全性能。



注意

- 请勿拆解电池，也不要使电池短路，或擅自给电池充电或加热。否则可能引起电池发热、破裂及电池漏液进入人的眼中。
- 万一误吞了电池，要马上请医生检查。

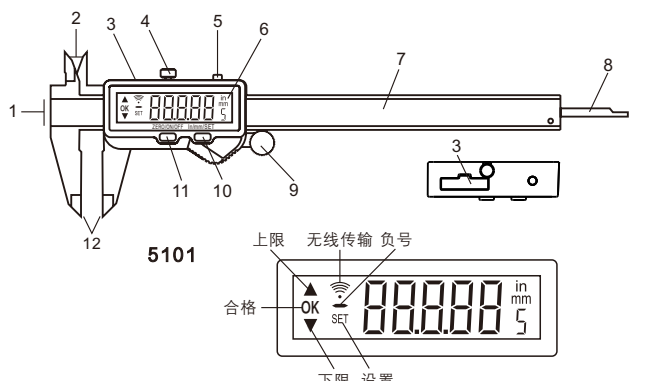
产业垃圾分别处理的EU(欧洲)诸国的电气 电子设备的废弃时的注意事项



- 在商品或包装上印有的此标记图形是指在EU(欧洲)诸国废弃此产品时不可与一般家庭垃圾同样丢弃。为了减少WEEE(废电气电子设备)埋入土壤的数量，减少对环境污染的影响，请协助努力做到商品再利用和再生。
- 关于处理方法的详细内容，请向附近的经销商或代理商咨询。

## 概述

该数显卡尺具有4种测量功能：内外测量、深度测量和台阶测量。卡尺符合IP54防护等级，防溅、防尘。注意：卡尺不能承受大量污垢和水或潮湿！卡尺在静止超过5分钟后，具有自动关机功能。



- 1. 阶差测量面
- 2. 内测量爪
- 3. 电池盖
- 4. 锁紧螺钉
- 5. 无线传输键
- 6. LCD显示屏
- 7. 不锈钢尺身
- 8. 深度测量杆
- 9. 滚轮
- 10. In/mm/SET 键
- 11. ZERO/ON/OFF 键
- 12. 外测量爪

## 技术参数

测量范围	分辨率	精度
0-150 mm	0.01 mm	± 0.02mm
0-200 mm		± 0.03mm
0-300 mm		± 0.04mm
电池类型: 1×3V CR2032 锂电池		
工作温度: 0°C - 40°C		

## 用途和功能

- 开机功能：在关机状态下，短按ZERO/ON/OFF键，使产品开机。
- 可以在要进行测量的任何点通过按下ZERO/ON/OFF键执行相对测量。卡尺也会在打开/关闭后自动记住最后的零点。
- 单位转换功能：短按mm/in/SET键进行mm/in单位转换。
- 上下限设置功能：在任意尺身位置第一次长按 mm/in/SET 进入上限设置界面，液晶屏显示“▲”和“SET”时，设置位数字闪烁，此时短按mm/in/SET键闪烁数值增加，短按ZERO/ON/OFF为移动光标键。第二次长按mm/in/SET进入下限设置界面，液晶屏显示“▼”和“SET”时，操作方法跟上限设置一样。第三次长按mm/in/SET退出上下限设置界面。在使用过程中，设置上下限后，超上限“▲”闪烁。超下限“▼”闪烁。合格范围内“OK”常亮。

- 清零功能：短按ZERO/ON/OFF键，可在测量范围内任一位置清零。
- 长按ZERO/ON/OFF键进入功能选择界面，液晶依次循环显示“LoL”、“oFF”、“Ru”。
- 当液晶显示“LoL”时短按ZERO/ON/OFF键，进入上下限（开/关）功能，液晶依次循环显示“0”、“!”。当液晶显示“0”时短按ZERO/ON/OFF键，上下限功能关。当液晶显示“!”时短按ZERO/ON/OFF键，上下限功能开。
- 当液晶显示“oFF”时短按ZERO/ON/OFF键，产品关机。
- 当液晶显示“Ru”时短按ZERO/ON/OFF键，进入数据自动传输选择功能，液晶依次循环显示“0”、“!”。
- 当液晶显示“0”时短按ZERO/ON/OFF键，数据自动传输功能关，只能进行手动传输数据（详细请看传输数据功能描述）。当液晶显示“!”时短按ZERO/ON/OFF键，数据自动传输功能开，并表示可以自动传输数据。
- 配对：当卡尺和带蓝牙装置的接收设备（电脑，手机等）第一次配合使用时，两者需进行配对操作，具体操作方法为：打开接收设备（电脑，手机等）的蓝牙搜索功能，同时长按卡尺上的无线传输键，直至卡尺液晶上的“”开始闪烁表示卡尺进入被搜索模式，松开无线传输键，等待至接收设备上搜索到名称为Keyboard的设备，然后点击连接。连接成功后卡尺液晶上“”保持常亮。



- 传输数据（以手机，电脑为例）：连接成功后，打开office软件，并使该界面保持活跃状态，短按无线传输键，卡尺便可向接收设备（手机，电脑）发送数据（数据格式如下图）。

编号：可以在出厂时选择是否带编号显示	1	25.01	带编号的卡尺发送到电脑或手机的数据
	1	28.81	
	2	32.68	未带编号的卡尺发送到电脑或手机的数据
	2	37.14	
		46.46	
		53.63	

## 故障排除

- 错误：数字变暗显示不清楚，数据功能不响应。  
错误原因：电路错误或电池电量不足。  
解决方案：更换新电池。
- 错误：数据错乱，闪跳。  
错误原因：潮湿或污垢。  
解决方案：用柔软、干燥的棉布和确保卡尺没有暴露在潮湿环境。

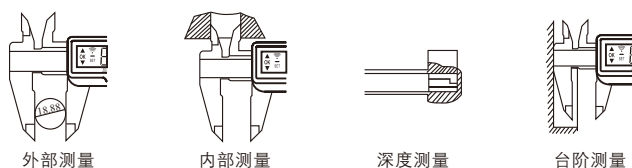
## 维护(使用前)

- 松开显示屏顶部的锁紧螺钉（4）并清洁整个卡尺用柔软、干燥的棉布保证无污垢并且在使用前去除水分。切勿使用有机溶剂或含有丙酮和煤油清洁，因为这可能会损坏卡尺。此卡尺具有自动关机功能，卡尺如果不使用5分钟后，则将自动关机，长期不使用卡尺时，强烈建议完全取出电池。将电池和卡尺一起放入附带的存储盒中。

## 更换电池

- 拉起电池盖，将电池3V(CR2032)放入，再推入电池盖安装完毕。

## 测量方法



■ 使用产品前，请仔细阅读使用说明书，并妥善保管、备用。

# Digital Caliper

## Safety Precautions

To ensure operator safety, use this instrument in conformance with the directions and specifications given in this Users' Manual.

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- Do not disassemble, short-circuit, charge, or heat the battery. Otherwise the battery content may leak to come into contact with the eye, or cause battery heating or explosion.
- If a battery is swallowed, immediately consult a doctor.
- The inside measuring jaw of this caliper have a sharp edge. Handle it with great care to avoid injury.



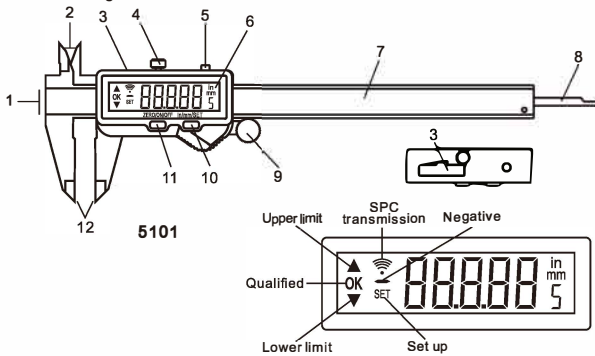
Disposal of Old Electrical & Electronic Equipment (Applicable In the European Union and other European countries with separate collection systems)

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. To reduce the environmental impact of WEEE (Waste Electrical and Electronic Equipment) and minimize the volume of WEEE entering landfills, please reuse and recycle. For further information, please contact your local dealer or distributors.

## Overview

This digital caliper has 4 measurement functions: External and internal measurement, depth measurement and height measurement.

The caliper is splash and dust proof according to IP54 protection class. Note: The caliper cannot tolerate large amounts of dirt and/or water/moist!



- Step measuring faces
- Inside measuring faces
- Battery compartment lid
- Clamp screw
- SPC button
- LCD display
- Main scale
- Depth bar
- Thumb roller
- In/SET button
- ZERO/ON/OFF button
- Outside measuring faces

## Technical Data

Measuring range	Resolution	Accuracy
0-150 mm	0.01 mm	± 0.02mm
0-200 mm		± 0.03mm
0-300 mm		± 0.04mm
Battery type: 1 × 3V CR2032 lithium battery		
Working temperature: 0°C - 40°C		

## Functions

- Power on/off function:** In the power off state, lightly press ZERO / ON / OFF button to turn on the product.
- Relative measurement:** You can perform relative measurement by pressing ZERO / ON / OFF button at any point where you want to make a measurement. The caliper will also automatically remember the last zero point.
- Unit conversion function:** Lightly press the mm / in / SET button to perform mm / in unit conversion.
- Upper and lower limit setting function:** Press and hold mm/in/SET button for the first time at any position to enter the upper limit setting interface. When the LCD shows "▲" and "SET", the setting digit will flash. At this time, lightly press the mm/in/SET button to increase the flashing value, lightly press ZERO/ON/OFF to move the cursor. Press and hold mm / in / SET for the second time to enter the lower limit setting interface. When the LCD shows "▼" And "SET", the operation method is the same as the upper limit setting. Press and hold mm/in/SET for the third time to exit the upper and lower limit setting interface. During measurement, after setting the upper and lower limits, the upper limit shows "▲" and "▼" Flashes when the data below the lower limit. "OK" means the data is within the qualified range.

- Zero reset function:** Lightly press ZERO / ON / OFF button to reset zero at any position.
- Function selection:** Press and hold the ZERO / ON / OFF button to enter the function selection interface, the LCD will display "UL", "OFF", "RL".
- Upper and lower limit setting:** When the LCD shows "UL", lightly press the ZERO / ON / OFF button to enter the upper and lower limit (on/off) function, the LCD shows "▲" and "▼" in sequence. When the LCD shows "▲", lightly press the ZERO/ON/OFF button, the upper and lower limit function is off. When the LCD shows "▼", lightly press the ZERO/ON/OFF button, and the upper and lower limit functions are turned on.
- Power off:** When the LCD shows "OFF", lightly press the ZERO / ON / OFF button, the product will power off.
- Manual data transfer:** When the LCD display shows "RL", Lightly press ZERO/ON/OFF button to enter into the manual data transfer or real-time mode, the LCD display shows "▲", "▼".
- Automatic transmission mode:** When the LCD display shows "▲", Lightly press ZERO/ON/OFF button to enter into manual data transfer, it means you need to record the data by press the SPC button. When the LCD display shows "▼", Lightly press ZERO/ON/OFF button to enter into automatic transmission mode.
- Pairing:** When the caliper and the receiving device (computer, mobile phone, etc. which are with bluetooth function) are connected with each other for the first time, they need to be paired. The operation method is as below: Turn on the bluetooth search function of the receiving device. Simultaneously press and hold the SPC transmission button on the caliper until the "📶" on the caliper LCD flashes to indicate that the caliper is in the searched mode. Release the SPC transmission button, wait until the device named Keyboard is found on the receiving device, and then click connect. After the connection is successful, the "📶" on the caliper LCD remains steady on.



- Data transmission:** (take mobile phone and computer as an example): After the connection is successful, open the office software and keep the interface active, short press the SPC transmission button, the caliper can send data to the receiving device (mobile phone, computer)

Number: You can choose whether to display with number before you order the caliper	1	25.01	Data sent to a computer or mobile phone with a numbered caliper
	1	28.81	
	2	32.68	
	2	37.14	Data sent to a computer or mobile phone without a numbered caliper
	46.46		
	53.63		

## Troubleshooting

- Error:** Digits are dimmed | Display shows no data | Functions do not respond to pressing.
- Cause of error:** Circuit error or low battery.
- Solution:** Replace with new battery.
- Error:** Irregular measurements.
- Cause of error:** Moisture or dirt.
- Solution:** Clean the caliper with soft, dry cotton cloth and make sure that the caliper is not exposed to moisture.

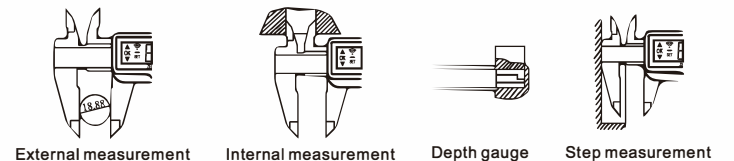
## Maintenance (Before and After use)

- Loosen the locking screw (4) on the top of the display and clean the entire caliper with a soft, dry cotton cloth to ensure that dirt and moisture is removed prior to use. Never use organic solvents as acetone and kerosene for cleaning as this may damage the caliper.
- This caliper has automatic on/off function that will put the caliper into "sleep mode" if it has not been used for 5 min. For long term storage it is highly recommended to remove the battery completely. Place the battery together with the caliper in the included storage box.

## Replacement Of Battery

- Push the battery cover and put into the battery.

## Measurement methods



■ The company has the final interpretation right and is subject to change without notice.