

特点

- 数字大容量卡尺
- 不锈钢框架
- LCD 显示屏
- 英制和公制模式
- 滚花锁定螺钉，用于微调
- 3 V 锂电池供电
- 容量 1000 mm (40 in)
- 精确度 ± 0.02 mm (0.001 in)
- 分辨率为 0.01 mm (0.0005 in)
- 范围 600 mm (24in)
- 重复性为 0.01 毫米 (0.0005 英寸)
- 外部钳口长度为 100mm (4 in)
- 内部钳口尺寸为 20 mm x 18 mm (0.8 in x 0.72 in)

RS PRO 1000mm 数字卡尺 0.01 mm，公制和英制

RS 库存号： 123-0916



RS 认证产品为您提供所有产品类别的专业品质部件。我们的产品系列经过工程师测试、提供与杰出品牌相当的质量、而无需支付高昂的价格。

RS PRO 的这款不锈钢卡尺使您可以轻松测量物体的宽度和长度，或表面之间的距离。它具有易于读取的数字显示屏，可在 $\pm 0.02 \text{ mm}$ 范围内精确测量。

此精密仪器具有多种不同的测量模式，因此易于从公制单位切换到英制单位。清晰的 LCD 显示屏，带 13 mm 数字，即使在远距离和低光情况下，也可轻松快速查看测量值。卡尺可用于测量内部和外部距离，最长 1 米，测量速度高达 1 米 / 秒。其滚花锁定螺钉可进行精细测量，分辨率和重复性为 0.01 mm。

一般规格

卡尺类型	数字
英制或公制	两者
显示类型	数字
精确度	$\pm 0.02 \text{ mm} + (0.00005 \times L)$
分辨率	0.01mm
重复性	0.01mm (0.0005in)
最大测量速度	1 米 / 秒
应用	建筑和制造环境，机械工程和科学

电气规格


电源	1 x 锂电池 CR 2032 3V
电池	是的
电池类型	CR 2032 3V

机械规格

容量	1000mm
外夹钳长度	100mm (4in)
内钳口长度	20mm x 18mm (0.8in x 0.72in)

操作环境规格

工作温度	5°C 至 40°C
相对湿度	最大 80%



Button Functions:

1	ON/OFF	Power on/off
2	ZERO	Zero sets display
3	ABS	Selects relative or absolute mode
4	In/mm	Selects inch or metric mode
5	Pre+	Moves digits in plus direction
6	Pre-	Moves digits in minus direction

Range	Resolution	Repeatability	External Jaw Length	Internal Jaw Length
600mm/24"	0.01mm / 0.0005"	0.01mm / 0.0005"	100mm	20 x 18mm

Accuracy:
 $\pm 0.02\text{mm} + (0.00005 \times L)$
where L = length from origin to given position

Operating Instructions:
When using the Caliper for the first time or after a period of non-use, wipe the beam scale with a dry clean cloth to remove any condensation or oil deposits.
Prior to setting the caliper for measuring, first clean the measuring faces with a soft clean cloth or paper.

Setting Instructions:**Absolute Measurement External:**

Switch caliper on and slide measuring jaws together.

The caliper will be in Absolute mode when it is first switched on (INC not displayed)

Select required measuring system either Metric or Inch

With the measuring jaws together press ZERO to zero display in this position

The caliper is now ready to indicate absolute measurement over its full range

Absolute Measurement Internal:

Switch caliper on and slide measuring jaws together.

The caliper will be in Absolute mode when it is first switched on (INC not displayed)

Select Metric measuring system

The caliper jaws are ground to start internal measurements at 20.00mm so initial setup is carried out in metric

mode and if required can be converted to inch following setup

Press and hold ZERO button so SET flashes on screen

Press Pre+ whilst holding ZERO button, the digits will now advance in a plus direction towards 20.00mm

The digits will start slowly and then gather speed. Release the Pre+ button to stop the digits before reaching

20.00mm. Press Pre+ again and the digits will start slowly making it easier to stop at the desired size.

If the size is over-run, use the above method and the Pre- button to achieve the correct size setting.

When the size is achieved release all buttons and SET will continue to flash on the display

Press ZERO button to set preset size into the caliper's memory

The caliper is now ready to measure internal dimensions above 20.00mm

Relative Measurement

When set in Absolute mode move measuring jaw to display the desired dimension.

Press ABS button to zero the caliper in this position

INC will be displayed on the screen

Movement of the measuring jaw will indicate a + or – reading relative to the zero set position

Pressing the ABS/zero button will return the caliper to its original Absolute zero position ready for taking

absolute measurements

Pre-Set Facility

Use same system to preset any size as used for setting internal measurement datum size

Operating Care

Clean measuring faces with dry soft cloth

Keep away from strong magnetic fields

Prevent ingress of oil / liquids into electronics

Remove battery if instrument is not used for a long period of time

Do not disassemble or drop the instrument

Do not mark instrument by engraving, etching or any other permanent marking method, as this will

invalidate the warranty

Fault Finding

Fault	Cause	Action
Display flashes	Battery voltage below 1.45volts	Replace battery
Display frozen	Circuit overload	Remove battery and replace after 4 minutes
Accuracy below specification but within +/- 0.1mm	Dirt in sensor	Remove slider cover assembly, clean face of sensor with dry clean compressed air (5kg/cm ²)
No display	Poor battery contact	Remove battery and carefully adjust battery contacts, replace battery.
	Dead battery	Replace battery.