

DIGITAL INDICATORS

电子数显量表

OPERATION MANUAL

使用说明书

www.asimeto.com

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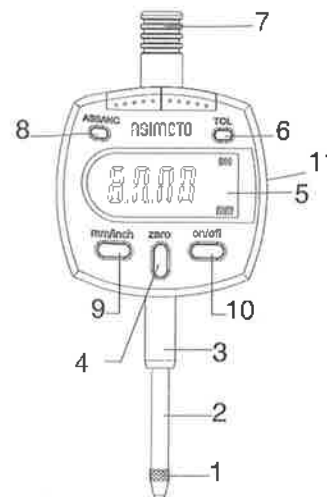
IMPORTANT NOTICE WICHTIGE NACHRICHT 重要信息



1. Clean all spindle and body prior to use.
2. Clean the battery before installation.
3. Zero set the indicators after installing the battery.

1. 使用之前请将测量面以及尺身整体擦拭干净。
2. 请在安装之前清洁电池。
3. 电池安装好之后, 请在使用前设置零位。

1	Contact point	测头
2	Spindle	测杆
3	Stem	下套管
4	ZERO Button	清零按键
5	LCD-Display	液晶显示屏
6	Tolerance Button	公差设置按键
7	Lifting Cap	测杆帽
8	ABS/INC Button	绝对/相对测量转换键
9	in/mm Button	公英制转换按键
10	ON/OFF Button	开关键
11	Data output	数据输出口



1. Specifications

Resolution: 0.01mm/0.001mm; 0.0005" / 0.00005"
 Range: 12.7mm/25.4mm/50.8mm; 0.5" / 1" / 12"
 Working temperature: 0~40°
 Power: 3V battery CR2032
 Digital output: RS232

2. Important Hints Prior To Using The Digital Indicator

- Accumulation of dirt on the measuring spindle can impair its movement. Clean measuring spindle with clean cloth (do not oil).
- Clean a dirty housing with a dry, soft cloth. Remove heavy soiling with a cloth wetted with a neutral react solvent. Volatile organic solvents like thinners are not to be used as these liquids can damage the housing.
- Protect the data output opening with the respective cover when not in use.
- The digital indicator has to be in an indicator stand or another suitable mounting fixture. We strongly recommend a stand that has a 8H7mm split mounting bore.
- In order to clean the measuring spindle use a cloth moistened with alcohol. Never apply oil to the measuring spindle!
- Unauthorized opening of the digital indicator forfeits the warranty.

2. OPERATION INSTRUCTION

● ON/OFF

1. The dictator is on when connected to electricity
2. Short press ON/OFF BUTTON can switch on the dictator.
3. Under normal absolute and relative measurement, or under TOL measurement, long press ON/OFF button will switch off.

1. 技术指标

分辨率: 公制: 0.01mm/0.001mm; 英制: 0.0005" / 0.00005"
 量程: 公制: 12.7mm/25.4mm/50.8mm; 英制: 0.5" / 1" / 12"
 工作温度: 0~40°
 电源: 3V锂电池 CR2032
 数据输出: RS232

2. 使用前注意事项

- 测量杆上若有灰尘等污垢, 将影响测杆的移动, 因此使用前请使用不含油的干净抹布擦拭干净。
- 请用柔软干布将表壳擦拭干净。若表壳上有严重的污垢, 请用含有中性清洁剂潮湿的抹布擦拭, 勿用易挥发溶剂如稀释剂, 这样会对表壳有损伤。
- 若未使用数据端口, 请将数据口盖上, 以保护数据端口。
- 数显指示表使用时需要支架和它的夹具, 我们推荐使用8mmH7安装孔的标准夹具。
- 请使用含有酒精的潮湿的抹布清洁测杆, 勿在测杆上涂油!
- 未经授权的人员请勿自行拆装维修数显指示表, 以免损坏指示表。

2. 按键功能说明

● ON/OFF (开 / 关键)

1. 上电后为开机状态。
2. 关机状态下短按ON/OFF键可以开机, 长按关机。
3. 在正常测量绝对和相对状态下、在公差测量下长按ON/OFF键可以关机。

● ZERO (清零键)

1. 在正常测量状态下相对测量时, 短按ZERO键, 不能清零, 该数值保留不变。

● ZERO

- 1、In normal measurement to conduct relative measurement, short press ZERO button will not clear but lock the values.
- 2、Under absolute measurement (displaying the sign "ABS"), short press ZERO button, the digital displayed will be the preset value (the number is preset value, see the instruction OF ABS button).

● ABS**1、ABSOLUTE/ RELATIVE MEASUREMENT SWITCH**

Under normal measurement, short press ABS BUTTON can switch between relative measurement and absolute measurement, with the sign of "ABS" indicating absolute measurement. After switching the device display the relative zero point in relative measurement; in absolute measurement indicating the current absolute value of the spindle.

2、Preset value setting

In ABS measurement under Metric unit system, long press ABS button will enter preset value mode, and the last number twinkles which is a changeable value. Short press IN/MM button will switch numbers 0 till 9; short press ZERO button will move the twinkling to the number on the left until the last number or positive/minus sign. After setting, long press ABS button to exit and preserve the preset value. After exit, the dictator will automatically enter absolute measurement, then the number displayed in absolute zero point is the preplaced value.

● MM/INCH

- 一、Short press In/mm button can switch between Metric Unit system and the Britain Unit system. "mm" indicates the Metric unit, while "in" indicates the Britain unit
- 二、Long press In/mm button can switch between positive number and negative number
- 1、Long press In/mm button, and the minus twinkles. Loose the button, and after the disappearance of minus, in relative measurement, the digital is switched from zero towards minus; in absolute measurement, the digital is switched from preplaced value towards minus.
- 2、Long press In/mm button, and the positive sign twinkles. Loose the button, and after the disappearance of positive sign, in relative measurement, the digital is switched from zero towards positive; in absolute measurement, the digital is switched from preplaced value towards positive

● TOL

In normal measurement, long press TOL button to enter TOL setting with the sign of TOL and SET, and the last number on the right twinkles. When twinkles the device is in the setting of low TOL; the twinkling number is changeable. Short press IN/MM button, the numeral will be switched between 0 and 9. Short press ZERO button will move the twinkling to the numeral on the left until the last number or positive/minus sign. After setting the low TOL, short press TOL button to enter up TOL setting. At this moment twinkles. Set the up-TOL in the same way of setting low -TOL. After setting up-TOL, short press TOL button to exit and save the setting TOL value.

- 2、绝对测量状态（显示ABS）时，短按ZERO键，读数显示为零或预设值的数值（该数字为预设值，详见ABS/PRESET键操作说明）。

● ABS / INC（绝对 / 相对测量转换键）**1、绝对与相对测量转换**

在基本状态下短按ABS键可以切换相对测量和绝对测量状态，显示“ABS”符号时为绝对测量状态。转换后在相对状态下显示为相对零点；在绝对状态下则为测杆当前的绝对数值。

2、预设值的设置

公制的绝对状态下，长按ABS键进入预设值状态，最右一位数字闪动，闪动的数值就是可以改写的数值。短按IN/MM键数据由0到9变化，短按ZERO键数据向左移动一位并且闪动，依次类推设定到最左一位数字及正负号。设定好后，长按ABS键退出并保存预设值。退出设置状态后，量表将自动进入绝对测量状态，此后绝对零位显示数值为预设值的数值。

● IN/MM（公/英制转换键）

- 一、短按IN/MM键可进行公英制单位的转换。显示mm符号为公制测量模式；显示in符号为英制测量模式。
- 二、长按In/mm键可进行正 / 负数的转换
- 1、长按In/mm键负号闪动，松开等负号消失后，在相对状态下时，数据则由零到负数变化；在绝对状态下，数据由预设值往负数变化。
- 2、长按In/mm键正号闪动，松开等正号消失后，在相对状态下时，数据则由零到正数变化。在绝对状态下，数据由预设值往正数变化。

● TOL（设置键）**一、公差设置**

在公差测量状态下，长按TOL键进入公差设置。显示有TOL和SET字符，且和最右一位数字闪动。当闪动时为设置下公差，闪动的数字就是可以改变的。短按IN/MM键数据由0到9变化。短按ZERO键数据向左移动一位并且闪动，依次类推设定到最左一位字符及正负号。设定好下公差后，短按TOL键进入上公差设置，此时闪动。按上述下公差的设定方法设定上公差。设置好上公差后，短按TOL键，当ok闪动时短按TOL键则退出公差设置并保存公差设置值
注：a、当设置下公差大于上公差时，显示EEE并且回到下公差的设置状态，须重新设置。

b、公制状态下设置的公差与英制不能进行互用，公制公差或英制公差需分别设置，并只能保存最后一次设置的公差

二、公差的测量

设置好公差后，在正常测量状态下，短按TOL键进入公差测量状态并且显示 OK，当测量的数据小于下公差时，符号闪动；大于上公差时，符号闪动。在公差带范围内时，“OK”字符闪动。