VICTOR 5001
VICTOR 5003

数显倾角盒说明书

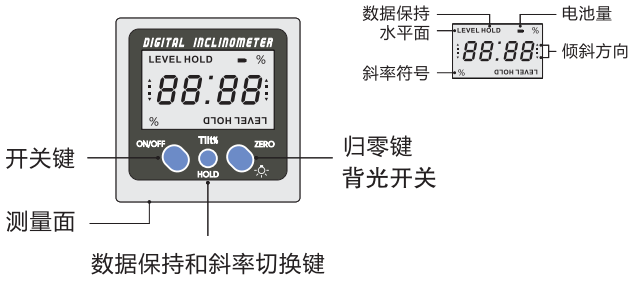
产品特点

1、铝合金边框，
2、相对测量和绝对测量转换；
3、角度和斜率的转换.
4、数据锁定,便于读数.
5、**5001**单面带磁, **5003**三面带磁;
6、5分钟自动关屏功能；
7、便携尺寸，方便与其它测量工具配合使用，扩大测量范围

技术参数

1、测量范围： 4*90°
2、显示分辨率： 0.05°.
3. 精度：±0.2°
4、重复性： 0.1°
5、电源： 7号电池
6、工作温度:0℃～40℃
7、磁性吸附测量面，可吸附于被测工件上进行测量
8、以水平面为基准的绝对零点测量
9、**5001**外形尺寸:57mm ×57mm×30.5mm,净重200g
5003外形尺寸:61mm ×59mm×31mm,净重200g
10、执行标准：GB/T 18761-2007

功能说明



开关键（ON/OFF)

轻按ON/OFF键，则为开机，

开机显示为绝对水平角度。

再轻按ON/OFF键则为关机;

数据保持和斜率切换键(HOLD/Tilt%)

短按HOLD键，则为锁定显示屏数字

长按此键2秒则转换为斜率 %。

归零键（ZERO)

设置相对零位

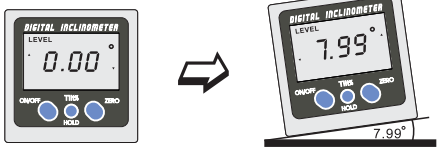
1.初状态液晶显示为0.00°时，当左方箭头显示“▲”时，表示左高右低
当左方箭头显示“▼”时，表示左低右高.

2.仪器开机直接测量，测得的角度值是相对于水平面的角度值.

3.机体底部的磁铁装置可吸附在铁质材料测量体附件上
轻按ZERO键清零做相对测量。

绝对测量模式

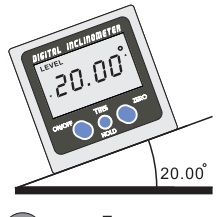
开机后把仪器放在任意平面，上面显示的数据为相对于水平面的角度（倾角仪出厂前已经校对好绝对水平零位）



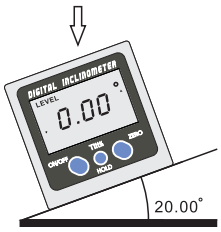
相对测量模式

倾角盒允许设置任意斜度的平面做基准面，以此基准面去测量其他平面相对这个平面的角度.
具体步骤如下：

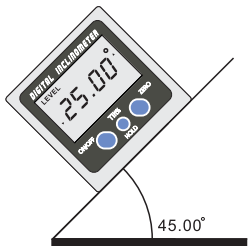
1> 开机状态下，把倾角盒放在测量基准面上
(显示相对于水平面的角度)



2> 按归零键（ZERO）屏幕上的示值就变成"0.00°"



3>把倾角仪放在需要检测的平面上，或者基准面旋转一定的角度.屏幕上显示的示值,就是相对于基准平面的角度.
(这里是25°)



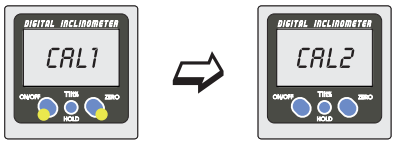
45°-20°=25°

校准方法

1.将倾角盒的基准面放到调校好的水平台上；

2.在关机状态下用手按住壳体，先按住ZERO键，再按ON/OFF键，液晶屏上显示CAL1 ”、进入校准状态.

按住倾角盒保持不动.再
按清零键，数据变为 “CAL2”

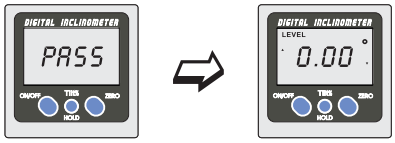


顺时针旋转90度，按住倾角盒
保持不动，再按清零键，数据变为
“CAL3”.

顺时针旋转90度，按住倾角盒
保持不动，再按清零键，数据变为
“CAL4”.

顺时针旋转90度，按住倾角盒
保持不动，再按清零键，数据变为
“CAL5”.

顺时针旋转90度，按住倾角盒
保持不动，再按清零键，数据变为
“PASS”.然后变为 “0.00°”



▲ 这时校准完成，新的基准平面替换之前的基准平面.
注意在按清零键的时候，务必使倾角仪保持不动。

▲ 产品在出厂前已校准.如果在测量时，发现误差太大，可按校准方法自行校准.

应用领域

应用比较广泛的领域是木材加工（特别是家具制造行业）当中木材角度的精确切割；汽车修理行业当中，装配轮胎角度的精确控制；机械加工中，机床工作角度的精确定位，大型车辆车臂的旋转角度.....

包装信息

产品尺寸：57x57x30.5mm.
包装类型：彩盒包装
内包装尺寸：93×82×40mm

VICTOR 5001 Digital Inclinometer
VICTOR 5003 Instruction Manual

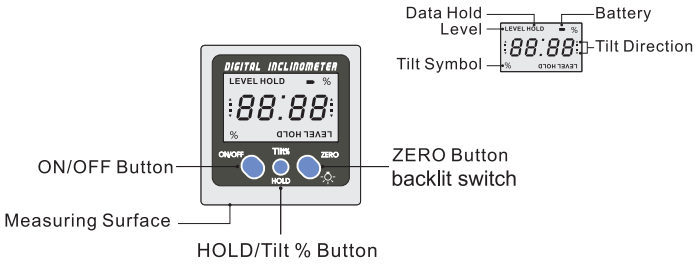
Product Features

1. Aluminum alloy enclosure,
2. Relative/absolute measurement interchange at any position;
3. Angle and slope readout conversion;
4. Data hold;
5. **5001** Magnets in bottom, **5003** Magnets in three surfaces;
6. Automatically turn off in 5 minutes.
7. Portable size, convenient to co-work with other measuring tools and enlarge measuring range.

Technical Parameters

1. Measuring range: 4*90°
2. Resolution: 0.05°.
3. Accuracy: ±0.2°
4. Repeatability: 0.1°
5. Battery: AAA×2 battery
6. Working temperature: 0°C~40°C
7. Convenient to be attached to the object measuring workpiece
8. Absolute zero measurement based on the level surface
9. **5001** Dimension:57*57*30.5mm,N. Weight: 200g
   5003 Dimension.61*59*31mm,N. Weight. 200g

Function Description



ON/OFF Button (ON/OFF)

Press lightly ON/OFF button, the power turns on, it displays absolute level angle.

Press ON/OFF button again, the power turns off.

HOLD/Tilt%Button(HOLD/Tilt%)

Short press HOLD/ Tilt %Button, the display will hold the readout data.

Long press HOLD/Tilt %Button for 2 seconds, the display will change to tilt%.

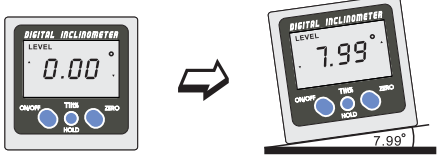
ZERO Button (ZERO)

Set relative zero position.

1. Measurement initially displays 0.00° on the LCD, when it displays "▲" on the left side "▼" on the right side, it means the left side is higher and right side lower; when it displays "▼" on the left side "▲" on the right side, it means the left side is lower and right side higher.
2. Turn on the instrument and begin to measure, the read-out is the relative angle of the absolute level.
3. The magnets at the bottom allow the instrument to be attached onto iron material measuring object. Press the "ZERO" button, reset the value to proceed relative measurement.

Absolute Measuring Mode

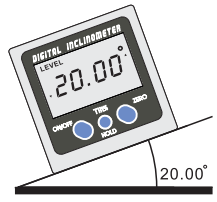
Turn on the instrument and begin to measure, the read-out is the relative angle of the absolute level (The absolute zero position of the instrument has been calibrated well before delivery from the factory.)



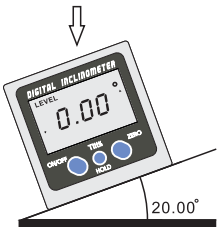
Relative Measuring Mode

The instrument allows to set zero at any slope as reference surface, and to measure the relative angle based on this slope.

1. When it turns on, put the instrument onto the measuring surface(showing the angle comparing to absolute level)

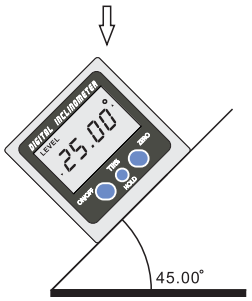


2. Press ZERO button, it displays "0.00° ".



3. Put the instrument on the surface that needs to be measured, or change the angle on the reference surface, the readout displays the angle value comparing to the reference surface (here it is 25°).

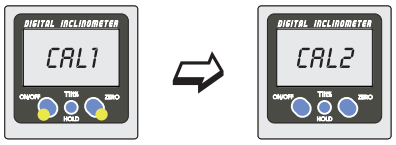
45°-20°=25°



Recalibration

1. Put the bottom surface of the instrument onto level surface which has been calibrated .
2. When it is power-off,hold the instrument, press the "ZERO" button, then press the "ON/OFF" button , the LCD displays "CAL1", entering the calibration status.

(1) Hold the instrument and keep it still, and then press the ZERO button, the LCD displays "CAL2"

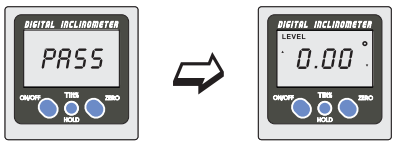


(2) Rotate 90 degree clockwise, hold the instrument and keep it still, press the "ZERO" button again, the LCD displays "CAL3";

(3) Rotate 90 degree clockwise, hold the instrument and keep it still, press the "ZERO" button again, the LCD displays "CAL4";

(4) Rotate 90 degree clockwise, hold the instrument and keep it still, press the "ZERO" button again, the LCD displays "CAL5";

(5) Rotate 90 degree clockwise, hold the instrument and keep it still, press the "ZERO" button again, the LCD displays "PASS"; then displays "0.00°"



▲ Now the calibration is finished ,new level surface replaces the previous one. Please notice to keep the instrument still when pressing "ZERO" button.

▲ The inclinometer is fully calibrated prior to shipment from the factory. Please recalibrate the inclinometer only when it is inaccurate.

Application

It is widely applied in wood processing industry (especially in furniture manufacturing industry) for the accurate cutting of wood angle; auto repair industry for the accurate control of tire angle; machining industry for the accurate position of tool working angle as well as the rotation angle of large vehicle arms and etc.

Packing

Product size: 57*57*30.5mm
Product packing (color box): 93*82*40mm