

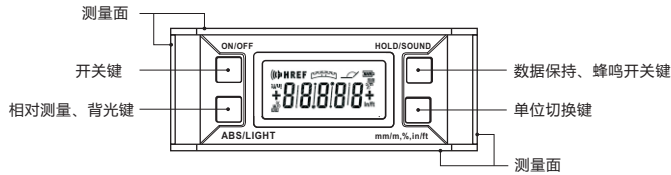
VICTOR 数显倾角仪说明书

功能说明

VICTOR 5005 有背光 无磁铁

VICTOR 5006 有背光 有磁铁

执行标准: GB/T 18761-2007



按键功能

- 1、ON/OFF 关机状态下，按一次开机，进入绝对测量模式，再按一次关机。显示屏5分钟无感应自动关闭，延长电池使用寿命。
- 2、ABS/LIGHT 短按显示“REF”图标，进入相对测量模式，再按一次，“REF”图标消失，进入绝对测量模式。长按背光亮亮。
- 3、HOLD/SOUND 按一次，显示“H”图标，当前数值锁定；再按一次，解除锁定，图标消失；长按此键，显示蜂鸣图标，角度分别达到 $0^\circ \pm 1^\circ$ 、 $30^\circ \pm 1^\circ$ 、 $45^\circ \pm 1^\circ$ 、 $60^\circ \pm 1^\circ$ 、 $90^\circ \pm 1^\circ$ 范围内时鸣响，再长按此键，蜂鸣器功能解除，图标消失。
- 4、mm/m, %, in/ft 度数显示状态时，每按一次，单位依次切换到 %, mm/m, in/ft, °, 循环切换。

技术参数

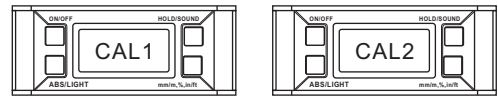
精度	0° 和 $90^\circ \leq 0.10^\circ$ 其余 $\leq 0.15^\circ$
分辨率	0.05°
量程	$4 \times 90^\circ$ ($0 \sim 360^\circ$)
重复性	$\leq 0.10^\circ$
电源	3V(两节7号干电池)
工作电流	$\leq 8\text{mA}$
工作温度	$0^\circ\text{C} \sim 40^\circ\text{C}$
相对湿度	$\leq 80\%$

当倾角仪倒置时，液晶显示的数据会自动翻转朝上便于阅读；

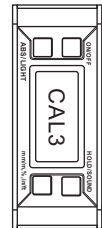
校准方法

把倾角仪放在水平台上（显示屏面对着自己），关机状态，先按住 HOLD/SOUND 键

- 1> 再按住 ON/OFF 键，进入校准模式，液晶显示“CAL1”
倾角仪保持不动，按一次“HOLD/SOUND”，液晶显示“CAL2”；



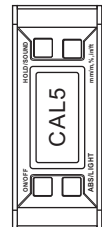
- 2> 倾角仪顺时针方向转动90度，
右侧面放在平台上，倾角仪保持不动，
按一次“HOLD/SOUND”，
液晶显示“CAL3”；



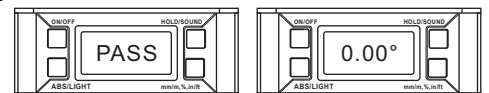
- 3> 倾角仪顺时针方向转动90度
上平面放在平台上，倾角仪保持不动
按一次“HOLD/SOUND”
液晶显示“CAL4”



- 4> 倾角仪顺时针方向转动90度，
左平面放在平台上，倾角仪保持不动，
按一次“HOLD/SOUND”
液晶显示“CAL5”；



- 5> 倾角仪顺时针方向转动90度，
底平面放在平台上，倾角仪保持不动，
按一次“HOLD/SOUND”，液晶显示
“PASS”，然后显示数据
“0.00°”，校准完成。



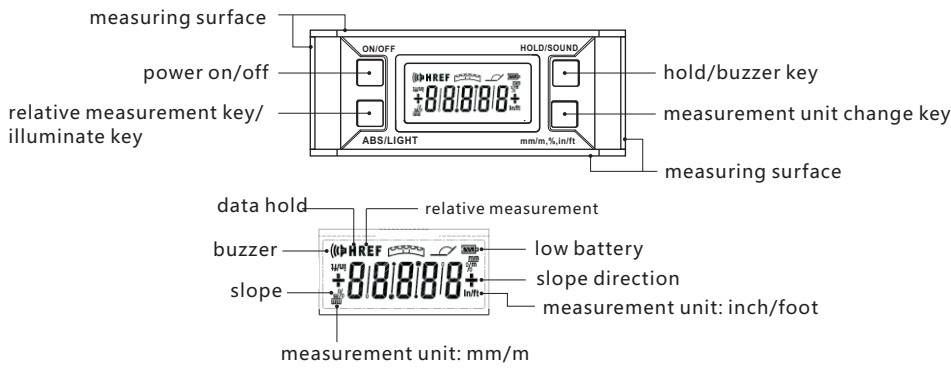
注意事项

- 1、此倾角仪已于出厂前进行了预先校对，装上电池即可使用；
- 2、水平度下降时，用户需重新校准（参照校准方法）；
- 3、进步性改良，不再另行通知。

DIGITAL PROTRACTOR INSTRUCTION MANUAL

Function ▶ **VICTOR 5005** With illuminate Without magnet

VICTOR 5006 With illuminate With magnet



Key Function ▶▶

- 1) Press the "ON/OFF" key, it turn on, and the LCD displays absolute horizontal angle. Press "ON/OFF" key again, it turns off. The LCD automatically power-off in five minutes when without any operation, so as to save the battery power.
- 2) Short Press "ABS" key, it displays "REF", and goes in relative measurement mod; press the key again, "REF" disappears, it returns to absolute measurement mode.
- 3) Press "HOLD/SOUND" key one time, it displays "H", and holds the present data; Press again, the data hold is released, and the "H" disappears; Long press this key, it displays buzzer icon, it buzzers at the angle " $0 \pm 1^\circ$ ", " $45^\circ \pm 1^\circ$ ", " $60^\circ \pm 1^\circ$ ", " $90^\circ \pm 1^\circ$ ". If for a long time press this key again, the buzzer function released, the icon disappears.
- 4) When the measurement unit is in mm/m, %, m/ft, mm/m state, press the measurement unit change key every time, the measurement unit is changed to %, mm/m, in/ft, ° successively.

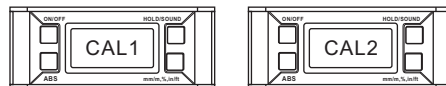
Technical Parameters ▶▶

Accuracy	0 and $90^\circ \leq 0.10^\circ$ Other degree $\leq 0.15^\circ$
Resolution	0.05°
Range	4*90° (0~360°)
Repeatability	$\leq 0.10^\circ$
Battery	3V (2 pieces AAA battery)
Working current	$\leq 8\text{mA}$
Working temperature	0~40 °C
Relative humidity	$\leq 80\%$
Automatic readout flipping right side up for the convenient reading when the protractor is upside down.	

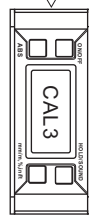
Calibration Method ▶▶

Put the item on horizontal level(user face the display) under the power off state, first press and hold the "HOLD/SOUND" key.

- 1) Then press the "ON/OFF" key, it goes into calibration mode, the LCD displays "CAL1"; Hold the item still, press again "HOLD/SOUND", the LCD displays "CAL2".



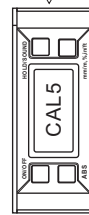
- 2) Rotate the item 90 degree in clockwise direction, and put the right measuring surface on the horizontal level, and keep the item still, then press "HOLD/SOUND" key again, the LCD displays "CAL3".



- 3) Rotate the item 90 degree again in clockwise direction, and put the upper measuring surface on the horizontal level, and keep the item still, then press "HOLD/SOUND" key again, the LCD displays "CAL4".



- 4) Rotate the item 90 degree again in clockwise direction, and put the left measuring surface on the horizontal level, and keep the item still, then press again "HOLD/SOUND" key, the LCD displays "CAL5".



- 5) Rotate the item 90 degree again in clockwise direction, and put the bottom measuring surface on the horizontal level, and keep the item still, then press "HOLD/SOUND" key again, the LCD displays "PASS", then displays data "0.00°", calibration is finished.



Attentions ▶▶

- 1) The item has been calibrated before factory delivery, it can be used directly after battery is installed.
- 2) When the horizontal level declines, the user needs to calibrate it again (please refer to calibration method).
- 3) There is no special notice for new generation development.