DIGITAL PROTRACTOR  OPERATION INSTRUCTION

CALIBRATION

When you use a new protractor or you press the ON/OFF button more than 6 seconds to turn the unit off. You need to calibrate it.

<1>:
Place the unit on a flat surface. Unit faces you and lettering on face is right-side up. Align with an edge or line. Press ON/OFF button, the "-1-" appears.

<3>:
Wait six seconds until the "-2-" appears.

<2>:
Type ZERO button and the "-1-" is blinking

On the other side, The icon "-2-" is blinking

<4>:
Rotate the unit 180 degree horizontally so it faces away from you, the lettering should be still be right-side up. Align with the same edge or line. Type ZERO button and the "-2-" is blinking wait six seconds until the actual angle is visible. The calibration is finished.

Function instruction

ON/OFF Button

In Shut off situation
Simply press it to enter measurement mode and it will display the angle reading immediately.

Now you can measure angle. Push this button again to shut it off.
(you need press and hold it 6 seconds to turn it off).

NOTE: If you press and hold it more then 6 seconds to turn it off, when you turn it on again, the icon "-1-" appear, that means you need to recalibrate it.

HOLD button

If you need to measure angle in an unreadable position or you want to lock the reading while recording it. Simply press the HOLD button when measuring angle. (make sure the unit has been in position for 6 seconds.) The angle reading will freeze and the icon "HOLD" will be blinking. You can cancel the this function by pressing the HOLD button and the icon "HOLD" disappear.

ZERO button

If the icon "ABS" is in display it is in horizontal measurement mode. Put the unit on the surface needed to be measured. The protractor shows the angle off the horizontal plane (to get the most accurate reading, allow the unit to settle for 6 seconds before noting the angle.).

Horizontal measurement

In horizontal measurement mode, the icon "ABS" is visible. The protractor shows the angle off the horizontal plane. (to get the most accurate reading, allow the unit to settle for 6 seconds before noting the angle.).

Relative measurement

Setting an alternate reference point. It allows you to set any angle as 00.0 reference point from which to take measurements. For instance, you may want a surface that is actually 25° off the horizontal displayed as 00.0° so you can measure all other angles from that benchmark.

1. Now it is in horizontal measurement mode (the icon "ABS" is visible). Put the protractor on the surface that is actually 25° off the horizontal plane.
2. Press the ZERO button to change to relative measurement mode (the icon "ABS" is invisible, the reading is 00.0°) The angle readout is 0°.
3. Put the protractor on the surface that is actually 60° off the horizontal. "35.0°" showed on the display is relative to the benchmark of the surface that is actually 25° off the horizontal plane..