

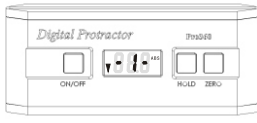
# DIGITAL PROTRACTOR OPERATION INSTRUCTION

## CALIBRATION

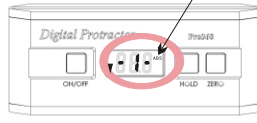
When you use a new protractor or you press the ON/OFF button more than 6 seconds to turn the unit off. You need calibrate it.

### <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.



The icon "-1-" is blinking

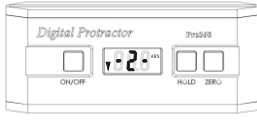


### <2>:

Type ZERO button and  
the "-1-" is blinking

### <3>:

wait six seconds until  
the "-2-" appears.



### <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.

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

## 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).

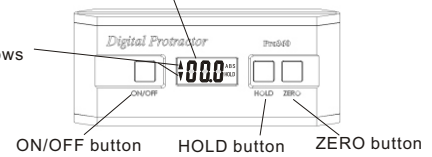
**NOTE:** If you press and hold it more than 6 seconds to turn it off  
, when you turn it on again, the icon "-1-" appear, that means you need to recalibrate it.

### 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 be freeze and the  
icon "HOLD" will be blinking. You can record the reading while icon "HOLD" stop blinking.  
You can cancel the this function by pressing the HOLD button and the icon  
"HOLD" disappear.

Liquid-crystal display(LCD)

Directional arrows  
for level



### ZERO button

#### Horizontal measurement:

If the icon "ABS" is in display it is  
in horizontal measurement mode



Change to relative measurement  
mode by pressing ZERO button



Change to horizontal measurement  
mode by pressing ZERO button

#### Relative measurement:

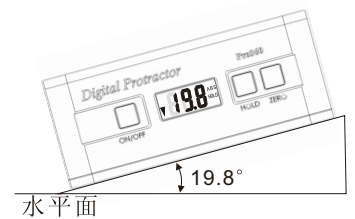
If the icon "ABS" is not in display  
it is in relative measurement mode

## Horizontal measurement

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



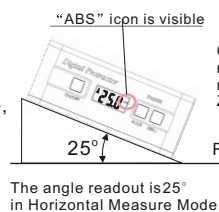
"ABS" icon is visible  
(when the "ABS" icon  
is visible and the  
readout is 0°  
the unit is located in  
horizontal plane.



## Relative measurement

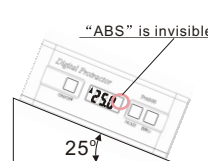
Setting an alternate reference point. It allows you to set any angle as 00.0° reference point from which to take measurements. For instance, you may want a surface that is actually 25° off the horizontal displayed as 00.0° so you can measure all other angles from that benchmark.

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 angle readout is 00.0°)
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.

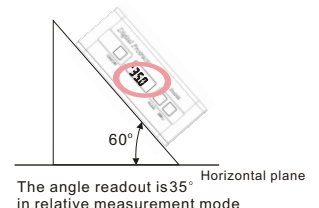


The angle readout is 25°  
in Horizontal Measure Mode

Change to relative  
measurement  
mode by typing  
ZERO button



The angle readout is 0°  
in relative measurement mode



The angle readout is 35°  
in relative measurement mode