

# Measuring with SmartLevel

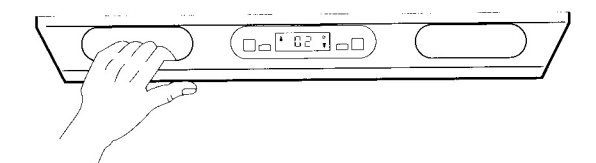
## Using Arrow Symbols to Align SmartLevel

Arrows on the display indicate which way to move SmartLevel to achieve level or plumb.

Between 0° and 44.9°, a pair of arrows in opposite corners of the display will point towards the level position.

Between 45° and 89.9°, the arrows will point towards plumb.

The SmartLevel display electronically “flips over” when the unit is turned upside-down, allowing for easy reading when measuring overhead components.



## Measuring Level and Plumb

The following table shows the display readings for each of SmartLevel’s four mode settings at 0.0°, 45.0°, and 90.0°:

	Degrees	% Slope	Pitch (IN/FT)	Simulated Bubble
Level	0.0°	0.0%	0.0	
—	45.0°	100%	12	Out of range
Plumb	90.0°	0.0%	0.0	

## Setting an Angle (“Zeroing” Out)

For some jobs, you may wish to set a particular angle as a reference point from which you can take measurements. For example, you may want a 3° surface displayed as 0° so you can measure all other angles from this benchmark.

A good example is setting the blade angle on a radial-arm saw. You can easily use the SmartLevel module to set the blade *even if the saw table/bed isn’t perfectly level*.

Just “zero” out the module on the table (set it to read 0.0°), and then use the module to set the blade at the proper angle without having to compensate for the out-of-level condition of the saw.

**CAUTION:** If you set your SmartLevel to read 0.0° when it is **off** level, you must follow the Reset procedure before you can once again accurately read level and plumb (see Reset/SuperSet button, pages 7-11).

### How to Set an Angle

- Place SmartLevel on the surface you wish to set at 0.0°. Wait 10 seconds.
  - Press the Reset button until the symbol “CAL1” appears, followed by the angle measurement itself. It will blink on the display.
  - Do not turn the level 180° as in the Reset procedure, but instead press the Reset button again, until the symbol “CAL2” appears. That’s it!
- When the level is on this surface or another at the same angle, it will read “0.0°”
- To reset SmartLevel to true level see pages 7 and 8.

