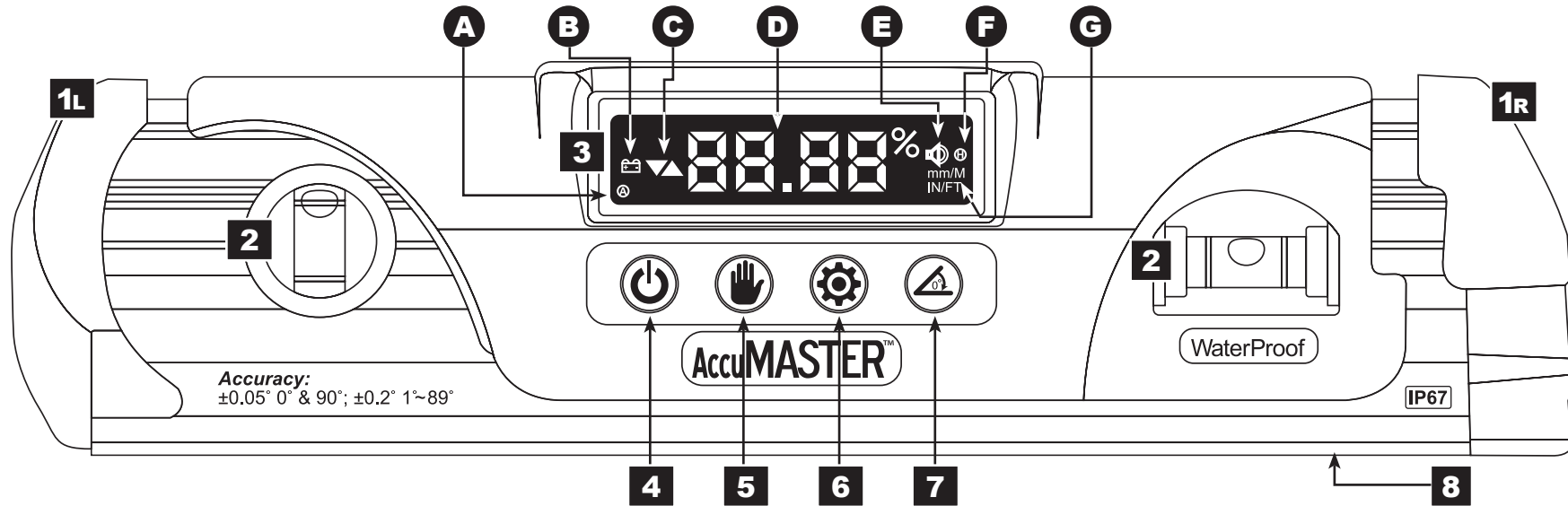


The **AccuMASTER™ Digital Torpedo Level** will help you on the job in all kinds of working environments. It is waterproof and dustproof and operates in the toughest of working conditions – it will give you accurate measurements in any weather, from -4° F to +140° F. It has a bright, easy-to-read LED display, and you can set it to give you an audio alert when you find plumb and level. It operates in two modes — True Level and Alternative Zero/Relative Angle.



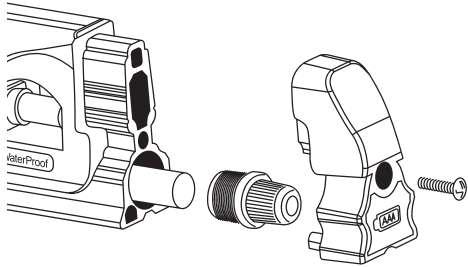
**Accuracy:**  
±0.05° 0° & 90°; ±0.2° 1°-89°

## STOP BEFORE OPERATING

### Battery Instructions

Use a small Phillips head screw driver to remove the right endcap. Unscrew the battery cap and remove protective tab.

Replace the battery cap, being careful to make sure it is screwed tightly into the compartment. Replace the endcap and the Phillips head screw.



Device	
<b>1</b>	<b>Rubber end caps</b> — Batteries included and located behind the right side endcap.
<b>2</b>	<b>Vertical and horizontal bubble vials</b>
<b>3</b>	<b>LED display</b>
<b>4</b>	<b>On/Off button</b> — Press and hold for 1 second to turn on. This feature prevents the device from accidental activation. It will turn off if not used for 3 minutes, conserving battery life.
<b>5</b>	<b>Hold button</b> — Press the button to “hold” the display. An (H) displays on screen. Press again to “unhold”.
<b>6</b>	<b>Mode button</b> — Press the button to switch between units of measure °(Degree), % (Slope), In/Ft, mm/M (Pitch).
<b>7</b>	<b>Alternate Zero button</b> — Press the Alternate Zero button to activate the function to set any angle or slope to 0° as a reference. Once activated, the Alternate Zero icon Ⓐ will appear on screen. <i>See: True Level/Relative Angle Measurements on the next page.</i> The audible Plumb/Level alert function is activated when you power the device on. The audible alert icon 🔊 is shown on the display. To turn off, press the ⚠️ button for 3 seconds. To turn the alert on, press again for 3 seconds.
<b>8</b>	<b>Magnetized base</b>

Display	
<b>A</b>	<b>Alternate Zero icon</b> Ⓐ
<b>B</b>	<b>Low battery icon</b> 🔋
<b>C</b>	<b>Level directional icon</b> ▼▲
<b>D</b>	<b>Level measurement value</b>
<b>E</b>	<b>Sound icon</b> 🔊
<b>F</b>	<b>Hold icon</b> Ⓜ
<b>G</b>	<b>Unit icons</b>


## Using Your AccuMASTER

### Level and Plumb Measurements


Level (horizontal) and Plumb (vertical) measurements can be made with both the LED display and the bubble vials. The LED display will show the actual angle of the surface with an arrow showing whether the surface should be moved “in” or “out”. A beep will sound at 0° and 90°, if the sound function is turned on.

### To Use the Level for Angle Measurements

#### Pitch




The digital level can be used to measure pitch. For example, the pitch of a roof, measured in inches of rise per foot of run. Push the  button to change the display to Pitch mode (IN/FT).

#### Slope

When the display is in the slope mode, it will measure the angle or slope of the work surface in percent, with exact level at 0.0%. If the sound is turned on, the level will beep at 0.0% and 100%. Push the  button to change the display to Slope mode (%).

### True Level/Relative Angle Measurements (Alternate Zero Button )

**True Level**—Place the **AccuMASTER** on a working surface with the base flat against the surface. The display indicates the absolute angle between “true level” and the working surface. The arrow indicates the orientation of the working surface: either above or below true level.






**Relative Angle Measurements**—Use this function to compare the angle between two work surfaces. Press the  button to set the first surface to 0° as a reference. The Alternate Zero icon  will appear in the lower left of the display. Move the digital level to the second work surface and the display will show the relative angle between the first and second surfaces. Press the  button again to return to True Level mode.

## AccuMASTER technical specifications

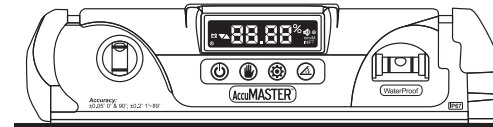
<b>Power Supply</b>	3 AAA 1.5 volt batteries
<b>Estimated Battery Life</b>	65 hours of continuous use
<b>Operating Temperature Range</b>	-4°F to 140°F (-20°C to + 60°C)
<b>Storage Temperature</b>	-22°F to 158°F (-30°C to + 70°C)
<b>Dimensions</b>	9" x 2.25" x 1.1" (230 x 57 x 29 mm)
<b>Weight</b>	13 ounces (370g) with batteries
<b>Display</b>	LED
<b>IP Protection Class</b>	IP67 certified - Water and dust proof
<b>Measuring Range</b>	4 x 90°
<b>Resolution</b>	0.05° (1.0 mm/M)
<b>Accuracy</b>	+/- 0.05° at 0° & 90°; +/- 0.2° at 1° to 89°
<b>Digital Display of Angle</b>	° (Degree), % (Slope), mm/M, In/Ft (Pitch)
<b>Magnet</b>	Built-in V-groove aluminum base

## Calibration

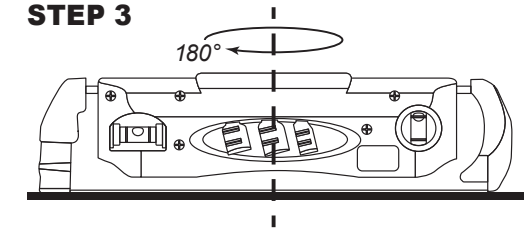
**Note:** The device is calibrated in the factory for maximum accuracy. User can re-calibrate if necessary. It is recommended when you first receive your **AccuMASTER Level**, you should follow these steps to calibrate it for your local area.

1. Turn off the device and press and hold the  button and  button simultaneously. Release when the display flashes ‘CAL1’ and alert sounds.
2. Place the device on a flat, clean surface and press the  button once. The countdown screen will begin. Wait until countdown reaches ‘1’ and shows ‘CAL 2’ and alert sounds.
3. Rotate the device 180° on the flat surface and press the  button again. The countdown screen will begin. Wait until countdown reaches ‘1’ and shows ‘CAL3’ and alert sounds.
4. Now hold the device on a smooth vertical surface (like a door jamb) and press the  button. The countdown screen will begin. Wait until countdown reaches ‘1’ and shows ‘CAL4’ and alert sounds.
5. Rotate the device 180° vertically and press the  button. The countdown screen will begin. Wait until countdown reaches ‘1’ and audible alert beeps. Device is calibrated.

### STEP 1 & 2



### STEP 3



### STEP 4



### STEP 5

