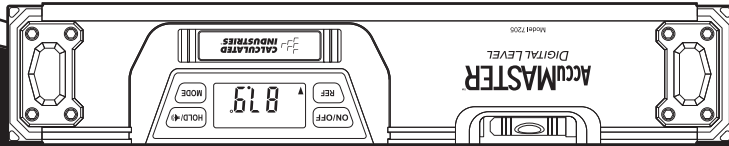


Accurate and Easy to Read



Model 7205 10" DIGITAL LEVEL

AccuMASTERTM

User's Guide

Battery Instructions

Upon receipt – Push one end of the battery cover towards the other end and lift up. Remove protective covering from battery and insert the battery with the negative end toward the spring. Replace the battery cover making sure both ends snap into the level body.

Includes: 1 AAA Battery, protective case, user's guide, 2-year warranty



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Made in China
UG7205E-A

Trouble Shooting

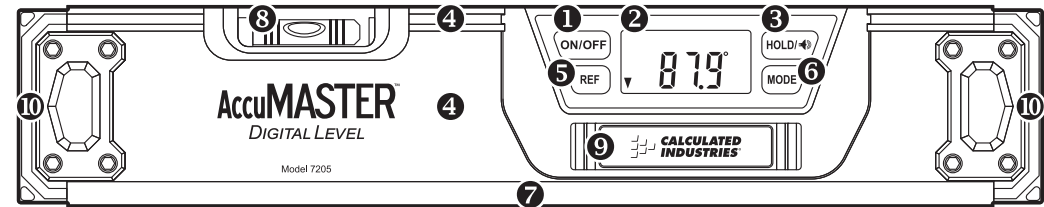
| Problem | Possible Cause | Solution |
|-------------------------------|---|--|
| "Erro" shows on display | Shows when either the forward tilt or backward tilt angle is greater than 30° | Straighten level tilt angle to less than 30° |
| No display or ambiguous | Low voltage, no battery or incorrect installation of battery | Reinstall battery or replace battery |
| Erratic display | Minor malfunction caused by high vibration or strong swinging | Reinstall battery or replace battery |
| Number skip or frozen display | Internal error | Remove battery, wait 1 minute and replace |

AccuMASTER 10" Digital Level User's Guide

AccuMASTER Digital Level

The **AccuMASTER Digital Level** will help you on the job and at home. It will give you accurate measurements in any weather, from 14° F – 122° F (-10° – 50° C). It has a large, bright StayGlow™ screen that makes it easy to read the LCD display. You can set it to give an audio alert when you find plumb and level. It operates in two reference points – True Level and Zero Reference/Relative Angle. It also works in three modes - degrees, percent grade and in/ft pitch.

Appearance



- 1 On/Off
- 2 LCD display
- 3 Hold/Sound
- 4 Aluminum body and rails
- 5 Ref (Zero Reference)
- 6 Mode
- 7 Magnetized base
- 8 Bubble vial
- 9 Battery cover
- 10 Rubberized end caps

Technical Specifications

| | |
|-----------------------------|--|
| Resolution | 0.1° |
| Accuracy | ±0.2° |
| Measuring Range | 4x90°, 100%, 12in/ft |
| Operating Temperature Range | 14° F – 122° F (-10° – 50° C) |
| Work humidity | ≤85% |
| Battery | DC 1.5V (AAA x1) |
| Estimated Battery Life | 25-30 hours in continuous use (6 months storage) |
| Display | Green (Always-On Backlit LCD) |
| Digital Display of Angle | °(Degree), % (Slope), in/ft (Pitch) |
| Magnet | Bottom rail has built-in magnets in base |
| Dimensions | 11 ¾ x 2 3/8 x 1" |
| Weight | 8 ounces, 227 grams |

Display Icons

- Battery Icon flashes when voltage is below 1.1v
- Speaker Icon indicates the beeper function is active
- REF** Zero Reference shows the level is in relative angle mode
- H** Hold Icon appears when the Hold function is activated
- 1 - The -1- Icon indicates the level is calibrated for one direction
- 2 - The -2- Icon indicates the level is calibrated for second direction

Features

- **Sound Function:** Beeper icon appears on the display when the sound function is activated. Unit will sound at level (0°) and plumb (90°). Use a long press of the sound button to turn off the beeper. The sound function utilizes a series of beeps that increase in tempo as it approaches 0 and 90 degrees and eventually reaching a constant tone at exactly 0 or 90 degrees.
- **Hold Function:** Freeze the measurement at any angle and “H” shows on the display.
- **Zero Reference:** Set level to zero at any position. **REF** icon showing on display indicates the level is working in relative angle mode.
- **Reverse Display:** When turned upside down, the level’s display flips for easy reading.
- **Automatic shut off** after 3 minutes without button use.
- **Battery:** 25-30 hours in continuous use or 6 months storage.
- **Battery Icon** flashes in display when voltage is below 1.1V.

Button Instruction

ON/OFF – Press the **ON/OFF** button once to turn the level on. A long press turns the level off. The unit automatically shuts off after 3 minutes without button use. When turned on, pressing the button will clear the level’s Zero Reference point.

HOLD – Press **HOLD** once to HOLD the display. When activated the **H** icon will display on the screen. Press again to “unhold” the value on the screen. Hold function remains active when device is powered off and then back on. Pressing and holding the button for three seconds will change the sound function between off and on. When the sound function is “on”, the speaker icon will appear on the display. Also, when the sound function is on, beeps will increase as the level approaches 0° and 90°.

REF – If the surface the unit is on is not level, the unit will display the “angle” value. Press the **REF** button to set the level’s current angle to zero and **REF** shows in the display. Pressing the button again when the Ref function is already active will change the display to zero reflecting the current level as the new Zero Reference Point. The Zero Reference setting remains in memory even if the unit is powered down and then turned on again. To quit the function, while the unit is powered on, press and release the On/Off button.

MODE – Converts displayed angles to different units. Pressing the **MODE** button will change the display value setting between (°) degrees, (%) percent grade and (in/ft) pitch.

To Use the Level for Angle Measurements

Level and Plumb Measurements

Level (horizontal) and Plumb (vertical) measurements can be made with the LCD display. The bubble vial can be used for Level measurements. The LCD display will show the actual angle of the surface. A beep will sound at 0° and 90°, if the sound function is turned on.

True Level/Relative Angle Measurements

True Level – Place the level on a flat smooth surface. The display indicates the absolute angle between “true level” and the working surface.

Relative angle measurements – Use this feature to compare the angle between two work surfaces. Put it on the first measurement surface, press the **REF** button, LCD displays 0.0° and **REF** shows. Put it on the second measurement surface, LCD shows the angle difference between the two measured surfaces.

To Use the Level for Angle Measurements

– Pitch

The 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 Mode 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 mode has been activated, the level will beep at 0.0%.

Calibration

Note: The device is calibrated in the factory for maximum accuracy. Users can re-calibrate if necessary. It is recommended you only recalibrate the level if it has been dropped.

- (1) Place the digital level on a flat and smooth surface, turn level on then press **ON/OFF** button and **MODE** button at the same time, the calibration mode is activated and “-1-” will be displayed.



- (2) Press **ON/OFF** button again, “-1-” will flash briefly. Do not move until -2- displays.



- (3) Rotate it 180° in the same location and press **ON/OFF** button, “-2-” will flash briefly. Do not move until the unit has completed the calibration and reset the display to its current angle.

