Operating Instructions and Parts Manual **Item # 35-222-6**

Please read through this owners manual carefully before using your new tool. Use your tool properly and only for its intended use.

iGAGING® **AngleCube®**

The iGAGING AngleCube is a precision instrument used for measuring angles in which any of its four surfaces may be utilized.

- ***Zero can also be set at any angle so that the relative angle between two surfaces can be measured.***
- ***The AngleCube can also measure absolute level , you can utilize it as a portable Packet level.***

Operation

1. To power on and read absolute level, push the "⏻/...LEVEL" button ; "Level" will appear on the upper-left corner of the display.
2. To measure relative bevel, place the AngleCube on a table surface and push the "ZERO" button. Then, move the AngleCube to the second surface, the gauge will accurately measure and display the bevel angle between the two surfaces.
3. To switch back to absolute level measuring again, push and hold the "⏻/...LEVEL" button for 3 seconds.
4. To hold the reading, push "HOLD" button, "H" will display at upper-center of the display. To disable HOLD function, push "HOLD" button again.
5. If "▭" signal appear on the LCD display, or the gauge would not power on, it is time to change battery. Remove the back plate with the screwdriver supplied, and insert a new standard 9V battery.
6. To power off, push "⏻/...LEVEL" button. Or, unit will self power-off within 3~5 minutes when not in use.

Specifications

Resolution:	0. 05°
Repeatability:	0. 1°
Accuracy:	±0. 2°
Battery:	standard 9 volt (appproximately 1 yr. use)

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Under normal conditions, AngleCube does not need re-calibration. If necessary, under the condition of the reading become inaccuarate, or under the condition of severe impact, the AngleCube may be re-calibrated professionally. Re-calibration require a calibrated level surface within ≤0. 02° accuracy, and may require several attempts to accomplish accuarcate calibration. It is important to hold the AngleCube steady while pressing the buttons to re-calibrate. **Warning: un-leveled surface may result inaccurate calibration.

1) Place the box upright on a level surface.

**The accuarcy of the Granite level surface must be ≤0. 02° in order to make the re-calibration effective.

2) Press and hold ⏻ and ZERO buttons for 5 seconds until the screen displays CAd1.

3) Release the buttons and make sure the box has no movement until the "1" flash.

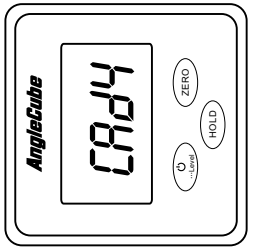
The AngleCube should be setting right side up.

4) Turn the box 90 degrees clockwise; press the ZERO button-the screen will read CAd2, make sure the box has no movement until the "2" flash.

The AngleCube should be setting on it's right side.

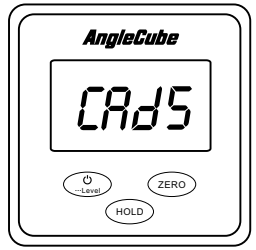
5) Turn the box for another 90 degrees clockwise; press the ZERO button-the screen will read CAd3, make sure the box has no movement until the "3" flash.

The AngleCube should be setting on it's top.



6) Turn the box another 90 degrees clockwise; press the ZERO button-the screen will read CAd4, make sure the box has no movement until the "4" flash.

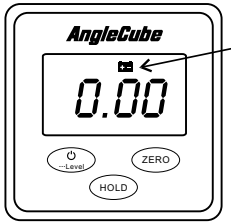
The AngleCube should be setting on it's left side.



7) Turn the box another 90 degrees clockwise; press the ZERO button-the screen will read CAd5. After 3 seconds the display will read 0. 00-this completes the calibration.

The AngleCube should be setting right side up.

8) Your AngleCube is now ready to use.



Low Battery Warning