

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

Fowler mini-MAG Protractor

The Fowler Mini-Mag protractor 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 Mini-Mag protractor can also be set to read absolute zero, so it may be used as a leveling device.*
- The Hold feature freezes the displayed reading while retaining the original zero datum. Simply press once to Hold and once more to return to measuring mode.*

Operation

1. To read absolute measurements, simply push the OFF/ON button and the actual angle is displayed. The calibration procedure for absolute zero is a simple procedure and instructions appear on this page.
2. To read relative zero, turn the unit on, place the level on your reference surface and press the ZERO button, which will cause "REL" to appear in the upper left-hand corner of the readout and set the display to zero. Pushing the button twice will cause the unit to return to absolute mode. Move the unit to the second surface, and it will read the angle directly to an accuracy of ± 0.2 degrees. It does not matter whether either of the surfaces is truly level: The Mini-Mag protractor will accurately register the angle between them.
3. For accurate readings, you should always keep the Mini-Mag protractor upright and not leaning toward or away from you. The Mini-Mag protractor uses a standard 9 volt battery which can be easily replaced by removing the back plate with the included screwdriver.

Specifications

Resolution:	0.05°
Repeatability:	0.05°
Accuracy:	$\pm 0.2^\circ$
Battery:	standard 9 volt (approximately 1 yr. use)

DISTRIBUTED BY:

All-Spec Industries 1-800-537-0351 (phone)
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Calibrating the Fowler Mini-Mag Protractor



1. Place the level on a flat surface.



2. Press and hold ZERO and OFF/ON buttons for 5 seconds.



3. Press the ZERO button; the screen will display CAD1.



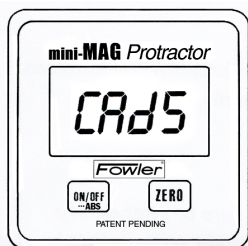
4. Rotate the unit 90 degrees clockwise; press the ZERO button the screen will read CAD2.



5. Rotate the unit another 90 degrees clockwise; press the ZERO button-the screen will read CAD3.



6. Rotate the unit another 90 degrees clockwise; press the ZERO button-the screen will read CAD4.



7. Rotate the unit another 90 degrees clockwise; press the ZERO button-the screen will read CAD5. After 1 second the display will read 0.00-this completes the calibration.



8. Your Fowler Mini-Mag protractor is now ready to use.