Best Angle Finder App for Android & iOS: Measure Angles Without a Protractor (2026)

Need to measure an angle but don't have a protractor? Your phone can do it. We tested the top angle finder apps to find the most accurate, ad-free options for DIY and professional work.

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Your Phone Is a Better Angle Finder Than You Think

You are installing a shelf bracket and need to know the wall angle. You are cutting trim and need the exact miter angle. You are checking if a ramp meets ADA slope requirements. In all these cases, the traditional answer is a physical protractor, angle finder, or digital inclinometer — tools that cost $15–$80 and live in a toolbox you may not have with you.

Your phone has a built-in accelerometer and gyroscope that can measure angles with surprising accuracy — often within ±0.1° when properly calibrated. The only question is which app makes the best use of those sensors.

We tested six angle finder apps on real-world tasks: checking miter angles on baseboard trim, measuring roof pitch from the ground, verifying a wheelchair ramp slope, and leveling a TV mount. Here is what we found.

What Makes a Good Angle Finder App

- **Calibration** — without it, sensor offset makes every reading unreliable. The app must

let you calibrate against a known reference.

- **Numeric precision** — showing a visual angle is not enough. You need exact degrees, and ideally alternative units (percent grade, mm/m).
- **Multiple modes** — surface level (bullseye), edge level (horizontal), plumb (vertical), and free angle measurement serve different tasks.
- **Hold function** — freezing a measurement so you can read it after moving the phone.
- **Speed** — point, read, move on. If the app takes 10 seconds to stabilize, you will reach for a physical tool instead.

1. Bubble Level & Angle Gauge — Best Overall

Price: Free | **Ads:** None | **Size:** 21 MB | **Platforms:** Android, iOS

This app does not just find angles — it turns your phone into a complete measurement instrument with four distinct modes and professional-grade features.

Why it wins:

- **4 measurement modes** — bullseye (2-axis surface level), horizontal (single-axis edge), vertical (plumb check), and angle gauge (inclinometer for measuring slopes and angles).
- **180° calibration with profiles** — the gold standard for phone calibration. Place phone flat, calibrate, flip 180°, calibrate again. Save profiles for different cases or phones. Includes undo and self-check.
- **4 unit systems** — degrees (°), percent grade (%), millimeters per meter (mm/m), and ratio (1:X). Switch instantly depending on your trade.
- **Tolerance guidance** — set your acceptable range and get instant OK (green) / NEAR (yellow) / OUT (red) feedback. No guessing.
- **Confidence bar** — real-time sensor stability indicator. Know when your reading is trustworthy.
- **Hold + orientation lock + screen-on** — freeze readings, prevent auto-rotate, keep screen active during measurement.
- **Measurement card sharing** — export readings as a shareable card with angle, mode, unit, and timestamp.

Available on Google Play and App Store.

2. Clinometer + Bubble Level by Plaincode

Price: Free / $1.99 Pro | **Ads:** Free version has ads | **Platforms:** iOS, Android

A long-standing app with three modes: camera clinometer (overlay angle on live camera view), clinometer (absolute angle measurement), and bubble level (relative leveling). The camera mode is unique — you can measure the slope of a distant object by aligning reference lines on the camera view.

Strengths:

- Camera-based slope measurement for distant objects
- Clean interface with multiple color schemes
- Full-screen mode for easier reading

Weaknesses:

- Calibration is basic — no flip calibration or profiles
- No tolerance guidance or confidence indicator
- No measurement sharing
- Ads in the free version

Best for: Measuring the slope of a roof, hill, or distant surface using the camera overlay.

3. Angle Meter by Tran Dong Hai

Price: Free (ads) | **Platforms:** Android, iOS

Uses the arctangent of gravity to calculate angles. Offers both absolute and relative angle modes — relative mode lets you zero the angle on any surface and then measure relative to it. Saves readings to a history database.

Strengths:

- Relative angle mode (measure angle between two surfaces)
- History with chart/list views
- Simple, focused interface

Weaknesses:

- Ads throughout the app
- Limited calibration options
- No tolerance guidance
- Interface feels dated

Best for: Comparing angles between two surfaces (e.g., measuring a joint angle).

4. Protractor by JETSTUDIO Technology

Price: Free | **Ads:** None | **Platforms:** Android, iOS

A visual protractor that uses your camera. Place two markers on a camera-paused image to calculate the angle between them. This is a different approach — instead of using the accelerometer, it uses visual alignment on a photo.

Strengths:

- Measures angles on photos — useful for objects you cannot place your phone against
- Free and ad-free

- Simple and lightweight

Weaknesses:

- Accuracy depends on your marker placement (human error)
- No accelerometer-based measurement — cannot measure tilt or slope
- No calibration (not applicable to this approach)
- Not useful for leveling or inclinometer tasks

Best for: Measuring visible angles in photos — woodworking joints, corner angles, geometric shapes.

5. Bubble Level by Gamma Play

Price: Free (ads) | **Platforms:** Android

A basic bubble level that also shows the angle in degrees. Simple bullseye interface. Calibration is available but single-point only (no 180° flip). The main issue is aggressive full-screen ads between measurements.

Strengths:

- Simple and fast for basic leveling
- Shows angle in degrees

Weaknesses:

- Heavy ads that interrupt workflow
- Single measurement mode
- Basic calibration
- Android only

Best for: Quick, one-off level checks if you do not mind ads.

6. Apple Measure App (Built-in Level)

Price: Free (built-in) | **Platforms:** iPhone only

Since iOS 12, the Measure app includes a level. It shows degrees with a green flash at 0°. You can zero it on any surface for relative measurement. Decent for quick checks.

Strengths:

- No download needed
- Clean Apple design
- Relative zeroing

Weaknesses:

- Single mode only (surface level)

- No angle gauge or inclinometer mode
- No tolerance guidance
- No measurement sharing or history
- iPhone only

Best for: iPhone users who need a quick level check and nothing more.

Comparison Table

App	Angle Measurement	Calibration	Modes	Units	Hold	Tolerance	Ads	Price	Platforms
Bubble Level & Angle Gauge	Yes (inclinometer)	180° + profiles	4	°, %, mm/m, ratio	Yes	OK/NEAR/OUT	None	Free	Android, iOS
Clinometer + Bubble Level	Yes (camera + sensor)	Basic	3	°	No	None	Free/Pro	Free/$1.99	iOS, Android
Angle Meter	Yes (absolute + relative)	Limited	2	°	No	None	Yes	Free	Android, iOS
Protractor	Yes (visual/photo)	N/A	1	°	N/A	None	None	Free	Android, iOS
Gamma Play Level	Basic (degrees)	Basic	1	°	No	None	Heavy	Free	Android
Apple Measure Level	Degrees only	Zero-point	1	°	No	None	None	Free	iOS

Real-World Use Cases

- **Miter cuts for baseboard trim** — measure the wall corner angle with the angle gauge, divide by 2 for your miter setting. Bubble Level & Angle Gauge in angle mode gives you the exact degree.
- **Roof pitch estimation** — hold phone against a rafter or use the inclinometer pointed at the roof edge. Read pitch in degrees or ratio (e.g., 4:12).
- **Wheelchair ramp compliance** — ADA requires max 1:12 slope (4.76°). Set tolerance to 4.76° and get instant pass/fail.
- **TV wall mount leveling** — use the horizontal edge mode with hold. Place phone on mount, tap hold, step back and read.
- **Furniture assembly** — checking if shelf brackets are at the same angle on both sides. Use relative mode to match angles.

FAQ

How accurate are phone angle finders?

With proper calibration, modern phones typically achieve ±0.1° to ±0.3° accuracy. Without calibration, readings can be off by 1° or more due to sensor offset. Always calibrate before critical measurements.

Can I measure the angle of something I cannot touch?

Yes — the Protractor app uses camera-based visual measurement for this. Clinometer + Bubble Level also has a camera overlay for distant slope measurement. For touchable surfaces, accelerometer-based apps (like Bubble Level & Angle Gauge) are more accurate.

What is the difference between an angle finder and a level?

A level tells you if something is horizontal (0°) or vertical (90°). An angle finder measures any angle — 17.3°, 45°, 82.6°. Most dedicated level apps include angle measurement, but basic levels (Google, Apple) do not.

The Bottom Line

Your phone is a legitimate angle-finding tool — if you pair it with the right app. For the most complete package — 4 modes, real calibration, multiple units, tolerance guidance, and zero ads — **Bubble Level & Angle Gauge** is the clear choice.

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