

ROATEE AC0601

ROATEE AC0601 Construction Calculator with Writing Tablet User Manual

Model: AC0601

1. INTRODUCTION

The ROATEE AC0601 Construction Calculator is a specialized tool designed for professionals and students in construction, engineering, and related fields. It combines over 200 construction-specific functions with an integrated writing tablet for convenient note-taking and calculations. This manual provides detailed instructions for its setup, operation, maintenance, and troubleshooting.



Image 1.1: ROATEE Construction Calculator overview.

2. PRODUCT FEATURES

- **Integrated Writing Tablet:** Equipped with a flip-page writing pad for quick note-taking, eliminating the need for paper and pen.

- **Extensive Functions:** Over 200 engineering functions for mixed dimension calculations, conversions, area & volume, concrete, roofing, stair layouts, and more.
- **Durable Design:** Features a thick, phone-like protective case for enhanced durability against drops and harsh environments.
- **Large Display:** A 3-inch, 12-digit high-definition screen for clear readability.
- **Energy-Saving:** Automatic shutdown after 8-12 minutes of inactivity to conserve battery life.
- **Fast-Rebound Buttons:** 45 responsive PC buttons for efficient data entry.

No Paper On-Site? Write It On Your Calculator

Number of write erasures can replace 30,000 sheets of paper — eco-friendly and cost-saving.

Lcd Writing Board

CR1220 Battery*1

Erase Button

Lock Key

Stylus

Protective Case



Image 2.1: The ROATEE AC0601 calculator with its writing tablet open, highlighting key components like the LCD writing board, erase

3. SETUP

3.1 Battery Installation

The calculator requires 2 C batteries (included). To install or replace batteries:

1. Locate the battery compartment on the back of the calculator.
2. Open the compartment cover.
3. Insert the 2 C batteries, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

3.2 Stylus and Writing Tablet

The calculator comes with an integrated stylus for use with the writing tablet. The stylus is stored in a slot on the side of the calculator. The writing tablet is located on the flip cover.

Skip the Paper Write It Straight on Your Calculator

One Calculator = 30,000 Sheets
Saved — Green and Cost-Smart



Image 3.1: A hand using the stylus to write notes on the integrated LCD writing tablet, demonstrating its eco-friendly and convenient design.

4. OPERATING INSTRUCTIONS

4.1 Basic Operation

- **Power On/Clear:** Press the **On/C** button to turn on the calculator or clear the current entry.

- **Power Off:** The calculator automatically shuts off after 8-12 minutes of inactivity.
- **Display:** The 3-inch, 12-digit display shows calculations and results clearly.

3" Display, Accuracy at a Glance

16.8cm/6.6in*9.3cm/3.6in*2cm/0.7in



Image 4.1: A close-up view of the calculator's 3-inch display and ultra-responsive keys, highlighting its accuracy and ease of use.

4.2 Construction Functions

The AC0601 offers over 200 functions tailored for construction tasks. Key function categories include:

- **Dimensional Calculations:** Feet-inches-fractions, yards, metric dimensional problems, and conversions.
- **Area & Volume:** Calculate areas and volumes for various shapes and materials.
- **Material Estimation:** Functions for brick and block, concrete, boards, flooring, wall studs, drywall sheet count, roofing material.
- **Geometric Calculations:** Circle area, circumference, arc properties, polygon tiling.
- **Roofing & Framing:** Foundation correction, right angle and rafter, roof pitch and angle conversions, common rafter length, common/hip/jack rafter and spacing.
- **Stair Layout:** Comprehensive stair layout calculations.
- **Specialized Functions:** Compound miter, rake wall calculations.



Image 4.2: A detailed table outlining the various construction-specific functions of the ROATEE calculator, categorized by application area such as construction site, architectural design, and project budgeting.

4.3 Using the Writing Tablet

- **Writing:** Use the provided stylus to write notes or sketches on the LCD writing board.
- **Erasing:** Press the **Erase Button** (circular icon above the writing tablet) to clear the screen.
- **Lock Key:** The writing tablet features a lock key on the side. Slide it to the locked position to prevent accidental erasing of your notes. Slide it to the unlocked position to enable erasing.



Image 4.3: A construction worker using the calculator on a job site, demonstrating its practical application in real-world scenarios.

This calculators with Notepad features a lock key, which can prevent your notes from accidentally erasing



TIPS:

Please turn the button to the unlocked position so you can erase the notes on the screen.

If you want to keep the notes, please turn the button to the locked position.

Image 4.4: Visual representation of the calculator's extensive functionality, including direct input for feet-inches-fractions and permanent storage for key parameters.

5. MAINTENANCE

5.1 Cleaning

To clean the calculator and writing tablet:

- Use a soft, dry cloth to wipe the calculator's surface.
- For the LCD screen and writing tablet, use a soft, lint-free cloth. Avoid abrasive cleaners or solvents.

5.2 Battery Care

If the calculator will not be used for an extended period, it is recommended to remove the batteries to prevent leakage.

5.3 Protective Case

The calculator is equipped with a durable TPU protective case. Ensure the case is properly fitted to provide optimal protection against impacts.

ROATEE Construction Calculator

Over 200 functions tailored for construction



Construction site

Foundation Adjustments / Corrections, Polygon Layout / Tiling, Compound Miter Cuts, Diagonal Wall Calculations

Architectural structure design

Right Angle / Rafter Calculations, Roof Pitch and Angle Conversions, Rafter Length, Hip / Valley and Jack Rafters

Decoration & interior design

Used for structural parameter calculations and sketch verification in the early stages of design, including Stair Calculations, right-angle triangle/angle calculations

Project budget & quotation

Quickly estimate materials, labor, project totals, etc

Foundation & Earthwork

Circle Area and Circumference / Arc Properties, Concrete volume, pile foundation layout, site cutting planning

Construction practical training

Used as a practical tool for architectural professional teaching, skill training, etc

Image 5.1: The ROATEE calculator encased in its robust TPU protective cover, designed to withstand drops and harsh construction environments.

6. TROUBLESHOOTING

6.1 Calculator Not Turning On

- Check if the batteries are correctly installed and have sufficient charge. Replace if necessary.

- Ensure the **On/C** button is pressed firmly.

6.2 Writing Tablet Not Erasing

- Verify that the lock key on the side of the writing tablet is in the unlocked position. Slide it to unlock, then press the erase button.

6.3 Automatic Shutdown

The calculator is designed to automatically shut down after 8-12 minutes of inactivity to save power. This is normal operation and not a malfunction.

7. SPECIFICATIONS

Feature	Detail
Model Number	AC0601
Dimensions	17.5 x 9.5 x 2.4 cm
Weight	210 g
Power Source	Battery Powered (2 C batteries included)
Screen Size	3 Inches
Display Type	LCD
Enclosure Material	Plastic
Country of Origin	China

8. WARRANTY AND SUPPORT

8.1 Warranty Information

The ROATEE AC0601 Construction Calculator comes with a **2-Year Manufacturer Warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact ROATEE customer support. Refer to the contact information provided with your product packaging or visit the official ROATEE website.

9. PRODUCT VIDEO

Video 9.1: An official product video demonstrating the features and functionality of the ROATEE Construction Calculator, including its writing tablet and various calculation modes.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question