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› [NEWYES 36X Pro Graphic Scientific Calculator AC0501 User Manual](#)

NEWYES AC0501

NEWYES 36X Pro Graphic Scientific Calculator AC0501 User Manual

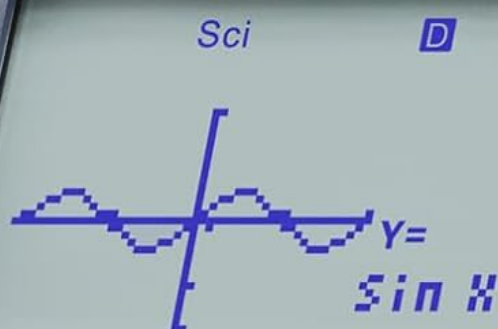
Model: AC0501 | Brand: NEWYES

INTRODUCTION

This manual provides detailed instructions for the NEWYES 36X Pro Graphic Scientific Calculator, model AC0501. Designed for students and professionals, this calculator offers a comprehensive suite of over 360 functions, including advanced graphing capabilities, statistical analysis, and complex number processing. Please read this manual thoroughly to understand the calculator's features and ensure optimal performance.

SCIENTIFIC CALCULATOR

NY-36X PRO



SETUP AND FIRST USE

1. Battery Installation

The NEWYES 36X Pro calculator requires one CR5 battery (included). To install or replace the battery:

1. Locate the battery compartment cover on the back of the calculator.
2. Carefully slide or unscrew the cover to open the compartment.
3. Insert the CR5 battery, ensuring the correct polarity (+/-) as indicated inside the compartment.
4. Replace the battery compartment cover securely.

2. Power On/Off

- To power on the calculator, press the **ON** button.
- To power off the calculator, press the **OFF** button.

3. Initial Screen Display

Upon powering on, the calculator will display the default calculation mode. If the screen is dim or blank, ensure the battery is correctly installed and charged.

OPERATING INSTRUCTIONS

Basic Operations

Perform standard arithmetic operations using the number keys and operators (+, -, ×, ÷). Press **=** to calculate the result.

Mode Switching System

The calculator features an intelligent mode switching system to adapt to various calculation scenarios. Press the **MODE** button to cycle through or select different modes. The primary modes include:

- **Angle Measurement Modes:** Degrees, Radians, Grads.
- **Calculation Modes:** Computation (COMP), Complex Numbers (COMPLEX), Standard Deviation (SD), Regression (REG), Base-N calculations.
- **Display Modes:** Normal, Fixed Decimals, Significant Digits.

SCIENTIFIC CALCULATOR WITH GRAPHING FUNCTION

suit for: Pre Algebra (Algebra I & II) / Biology / Chemistry / Geometry /
Physics / Trigonometry / Finance / Calculus / Business / Statistics



Angular Measurement Modes

- Degrees
- Radians
- Grades

Calculation Modes

- COMP
- COMPLEX
- SD
- REG
- BASE-N

Display Modes

- Normal
- Fixed Decimals
- Significant Digits



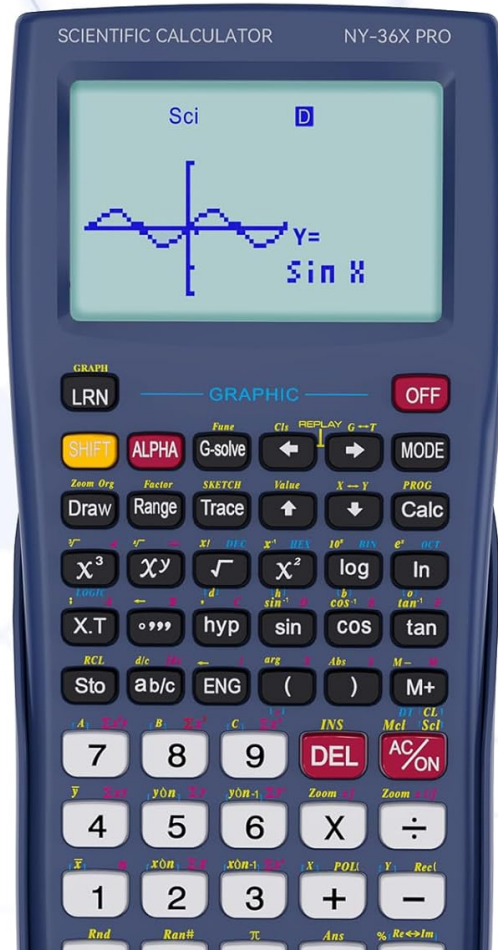
Figure 2: Overview of angular measurement, calculation, and display modes.

Graphing Functionality

The high-resolution graphical display allows for intuitive visualization of mathematical formulas. To use the graphing function:

1. Enter the function (e.g., $Y=\sin X$) using the appropriate keys.
2. Press the **GRAPHIC** button or navigate to the graphing mode.
3. Adjust the viewing window (Range) as needed.
4. Utilize features like Zoom, Trace, and G-solve for detailed analysis.

FUNCTIONS OVERVIEW



1. Graphs

- Overdrawing Built-in Function Graphs
- Specifying Range Parameters
- Generation Of Function Graphs
- Generation Of Parametric Graphs
- Graph Overdraw
- Zoom Function
- Trace Function
- Draw Operations
- Graph Scroll
- Single Variable Statistical Graphs
- Paired Variable Statistical Graphs
- Graph Shift
- Graph Change
- Graph Solving

Figure 3: Graphing functions overview, including graph generation, zoom, and trace.

Key graphing features include:

- Overdrawing Built-in Function Graphs
- Specifying Range Parameters
- Generation of Function Graphs and Parametric Graphs
- Zoom, Trace, and Draw Operations
- Graph Scroll, Shift, and Change
- Graph Solving
- Single Variable and Paired Variable Statistical Graphs

Scientific Functions

The calculator supports over 360 professional calculation functions. Access these functions using the dedicated keys or by pressing **SHIFT** or **ALPHA** followed by the corresponding function key.

- Trigonometric and Inverse Trigonometric Functions (sin, cos, tan, asin, acos, atan)
- Logarithmic and Exponential Functions (log, ln, 10^x , e^x)
- Hyperbolic and Inverse Hyperbolic Functions (hyp, sinh, cosh, tanh)

- Coordinate Transformation (Pol, Rec)
- Fraction Operations (a b/c)
- Binary, Octal, Decimal, Hexadecimal Calculations & Conversions
- Statistical Analysis (Standard Deviation, Regression Calculation)
- Numerical Integration
- Complex Number Calculation
- Formula Memory Function and Previous Calculation Recall

2. Scientific Function

- Trigonometric Functions & Inverse Trigonometric Functions
- Logarithmic And Exponential Functions
- Performing Hyperbolic And Inverse Hyperbolic Functions
- Coordinate Transformation
- Other Functions(Y^2 , X^1 , Xt , $3n$, $Ran\#$)
- Fractions, Degree, Minute, Second Calculation
- Binary, Octal, Decimal, Hexadecimal Calculations & Conversions
- Negative Expressions
- Logical Operations
- Standard Deviation
- Regression Calculation
- Numerical Integration
- Formula Memory Function
- Complex Number Calculation
- Previous Calculation Recall

3. Special Functions

- Answer Function
- Omitting The Multiplication Sign
- Continuous Calculation Function
- Replay Function
- Error Position Display Function
- Multistatement Function



Figure 4: Scientific and special functions available on the calculator.

Special Functions

- Answer Function (Ans)
- Omitting The Multiplication Sign
- Continuous Calculation Function
- Replay Function
- Error Position Display Function
- Multistatement Function

MAINTENANCE AND CARE

- **Cleaning:** Use a soft, dry cloth to clean the calculator's exterior. Avoid abrasive cleaners or solvents.
- **Storage:** Store the calculator in a cool, dry place away from direct sunlight and extreme temperatures. Utilize the sliding cover for screen and key protection.
- **Battery:** If the calculator will not be used for an extended period, remove the battery to prevent leakage.
- **Impact:** Avoid dropping the calculator or subjecting it to strong impacts, as this can damage internal components or the display.



Figure 5: The calculator features a sliding cover for dustproof and shockproof protection.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Calculator does not turn on.	Low or dead battery; incorrect battery installation.	Replace the battery or ensure it is installed with correct polarity.
Display is dim or blank.	Low battery; contrast setting.	Replace battery. Adjust display contrast if available in settings.
Incorrect calculation results.	Incorrect mode selected; input error.	Verify the current mode (e.g., Degrees/Radians, COMP/SD). Re-enter the calculation carefully.
Graph not displaying correctly.	Incorrect function input; inappropriate viewing window (Range).	Check the function equation. Adjust the graph's Range settings.
Keys are unresponsive.	Stuck key; internal malfunction.	Gently clean around the keys. If the problem persists, contact customer support.

SPECIFICATIONS

Brand	NEWYES
Model Number	AC0501
Calculator Type	Graphing, Scientific
Product Dimensions	12 x 2 x 0.04 inches
Item Weight	2.72 ounces
Power Source	Battery Powered
Batteries Required	1 CR5 battery (included)
Screen Size	4 Centimeters (visible diagonal)
Number of Functions	Over 360 professional functions

3" LARGE LCD SCREEN

Larg Screen, Clear Display than Other Graphing Calculators



Figure 6: The calculator features a large LCD screen for clear display.

WARRANTY INFORMATION


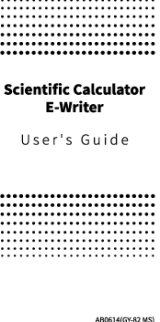
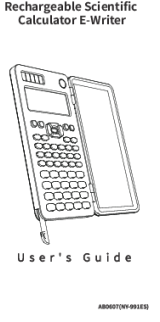

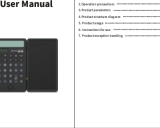
Specific warranty details for the NEWYES 36X Pro Graphic Scientific Calculator (AC0501) may vary by region and retailer. Please refer to the warranty card included with your product or contact NEWYES customer support for precise information regarding warranty coverage and terms.

CUSTOMER SUPPORT

For technical assistance, troubleshooting not covered in this manual, or warranty inquiries, please contact NEWYES customer support through their official website or the retailer from whom the product was purchased.

You can often find additional resources, FAQs, and contact information on the [NEWYES Store on Amazon](#).

Related Documents - AC0501

 <p>Rechargeable Scientific Calculator E-Writer</p> <p>User's Guide</p> <p>AB0607(NY-991EX)</p>	<p>Rechargeable Scientific Calculator E-Writer User's Guide</p> <p>This user's guide provides comprehensive instructions for the Newyes Rechargeable Scientific Calculator E-Writer, covering basic operations, advanced functions, setup configurations, and troubleshooting.</p>
 <p>Scientific Calculator E-Writer</p> <p>User's Guide</p> <p>AB0614(GY-82MS)</p>	<p>NEWYES Scientific Calculator E-Writer User's Guide</p> <p>Explore the features and functionalities of the NEWYES Scientific Calculator E-Writer (Model AB0614 GY-82MS) with this comprehensive user's guide. Learn about basic and advanced calculations, safety guidelines, and operational tips for efficient use.</p>
 <p>Rechargeable Scientific Calculator E-Writer</p> <p>User's Guide</p> <p>AB0607(NY-991ES)</p>	<p>NEWYES NY-991ES Rechargeable Scientific Calculator E-Writer User's Guide</p> <p>User's guide for the NEWYES NY-991ES Rechargeable Scientific Calculator E-Writer, detailing its features, specifications, operation, and safety precautions. Includes information on the electronic writing pad functionality.</p>
 <p>NOTEPAD CALCULATOR</p> <p>MANUAL</p> <p>1</p>	<p>Notepad Calculator Manual</p> <p>User manual for the Notepad Calculator, detailing safety precautions, operation, product parameters, usage instructions, and troubleshooting.</p>
 <p>Calculator Handwriting Board User Manual</p>	<p>Newyes Calculator Handwriting Board User Manual</p> <p>User manual for the Newyes Calculator Handwriting Board, covering safety precautions, operation, product parameters, usage instructions, and troubleshooting.</p>



[NEWYES SyncPen3 Smart Pen Manual: User Guide, Features, and Specifications](#)

Comprehensive user manual for the NEWYES SyncPen3 Smart Pen, covering setup, app connection, writing features, offline synchronization, LCD writing pad usage, product specifications, FAQs, and warranty information.