

NEWYES 991ES Max

NEWYES 991ES Max Scientific Calculator with Electronic Memo Pad Instruction Manual

Model: 991ES Max | Brand: NEWYES

1. INTRODUCTION

Thank you for choosing the NEWYES 991ES Max Scientific Calculator with Electronic Memo Pad. This device combines a powerful scientific calculator with 417 functions and a convenient 6.5-inch electronic memo pad, making it an ideal tool for students, engineers, and professionals. This manual will guide you through its features, setup, operation, and maintenance to ensure optimal performance and longevity.

2. KEY FEATURES

- **417 Functions:** Comprehensive scientific functions covering electricity, civil engineering, construction, and advanced mathematics for university-level studies.
- **Integrated Electronic Memo Pad:** A 6.5-inch electronic memo pad allows you to record calculations, notes, or diagrams directly alongside your work.
- **One-Key Clear & Lock Function:** Easily erase the memo pad content with a single button press. The lock function prevents accidental erasure, preserving your notes. The memo pad supports approximately 50,000 rewrites.
- **Type-C Charging & Solar Power:** Supports convenient Type-C charging and direct power supply via solar energy, ensuring continuous operation without battery concerns. Solar power primarily functions as a direct power source and does not significantly charge the internal battery.
- **4-Line High-Precision Display:** Features a high-precision LCD display with a 4-line natural textbook display, making complex equations and symbols clear and easy to read.
- **Portable and Slim Design:** Weighing only 150g with a smooth, curved, slim design (162mm x 165mm when open), it fits comfortably in your hand and is highly portable.
- **Responsive Plastic Keys:** Keys are made of plastic, offering a light touch and quick response, reducing fatigue during prolonged use.

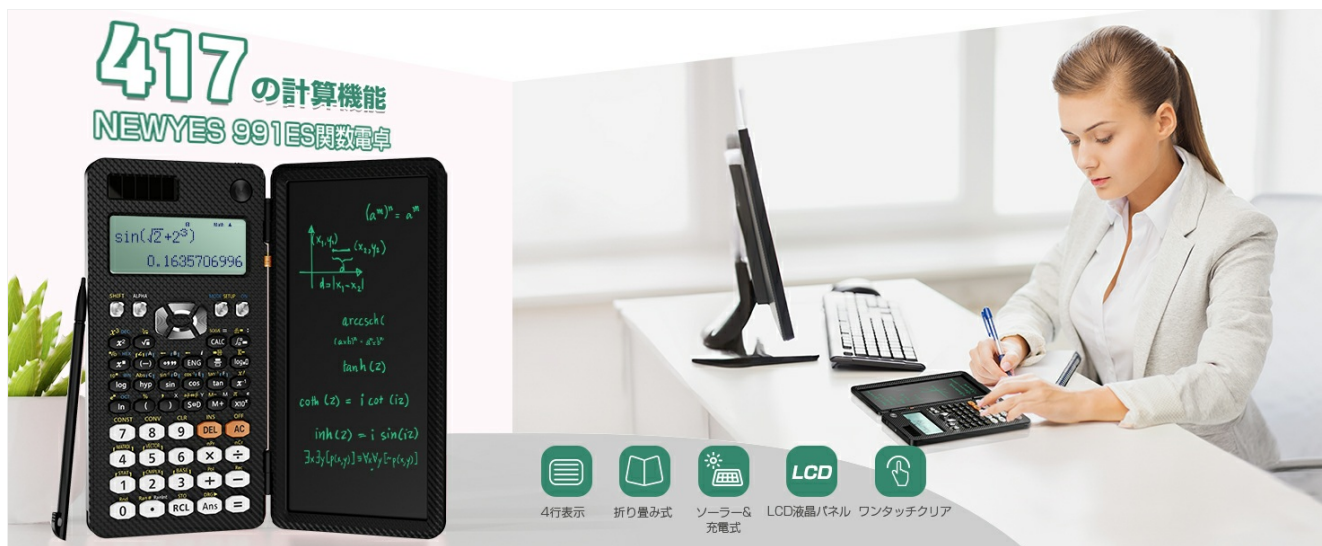


Image: Overview of the NEWYES 991ES Max Scientific Calculator, highlighting its 417 functions and integrated electronic memo pad.

3. SETUP

1. **Initial Charge:** Before first use, connect the calculator to a power source using the provided Type-C USB cable. The charging port is located on the side of the device. A red indicator light will show charging status.
2. **Power On:** Press the **ON** button to turn on the calculator.
3. **Stylus Pen:** The stylus pen is magnetically attached to the side of the memo pad for easy access and storage.



Image: Diagram illustrating the key components of the calculator, including the charging port, solar panel, and stylus pen.

4. OPERATING INSTRUCTIONS

The NEWYES 991ES Max offers 417 functions accessible via its intuitive keypad and 4-line display. Use the **SHIFT** and **ALPHA** keys to access secondary and tertiary functions printed above the buttons.

4.1 Basic Calculations (COMP Mode)

- **Arithmetic Operations:** Use **+**, **-**, **×**, **÷** for addition, subtraction, multiplication, and division.
- **Fractions:** Input fractions using the **a b/c** key.
- **Percentages:** Use the **%** key for percentage calculations.
- **Degree/Minute/Second (DMS) Calculations:** Input and convert angles using the **° ' "** key.

4.2 Function Calculations

- **Trigonometric Functions:** Use **sin**, **cos**, **tan** and their inverse functions (**SHIFT + sin/cos/tan**).
- **Exponential and Logarithmic Functions:** Use **log**, **ln**, **e^x**, **10^x**.
- **Integration and Differentiation:** Access these functions via **SHIFT + ∫dx** and **SHIFT + d/dx**.

- **Coordinate Conversion:** Convert between rectangular and polar coordinates using **Pol(** and **Rec(**.

4.3 Complex Number Calculations (CMPLX Mode)

- Perform calculations with complex numbers, including conjugate, absolute value, and argument.

4.4 Statistical Calculations (STAT Mode)

- Supports single-variable and two-variable statistical calculations, including regression analysis.

4.5 Equation Solving (EQN Mode)

- Solve linear equations with multiple variables and quadratic/cubic equations.

4.6 Matrix and Vector Calculations (MATRIX/VECTOR Mode)

- Perform operations on matrices and vectors, such as addition, subtraction, multiplication, and determinants.

417関数・機能

多彩な関数機能で、学習から研究まで幅広く活躍します

基本計算(COMP)

- ・四則演算
- ・分数計算
- ・パーセント計算
- ・度分秒(60進数)計算

③ 複素数計算(CMPLX)

- ・共役複素数(Conjg)
- ・絶対値と偏角の計算(Abs,arg)

④ 統計計算(STAT)

- ・一変数統計演算
- ・回帰演算(二変数統計演算)

関数計算

- ・円周率 π と自然対数の底 e
- ・三角関数と逆三角関数
- ・角度単位変換
- ・双曲線関数と逆双曲線関数
- ・指数関数と対数関数...
- ・べき乗関数とべき乗根関数
- ・積分計算
- ・微分計算
- ・ Σ 計算
- ・座標変換(直交座標→極座標)
- ・その他の関数

・ N進計算(BASE-N)

・ 方程式計算(EQN)

・ 行列計算(MATRIX)

・ ベクトル計算(VECTOR)



Image: A comprehensive list of the 417 functions supported by the calculator.

5. ELECTRONIC MEMO PAD USAGE

The integrated 6.5-inch electronic memo pad allows for quick note-taking and diagram drawing. It is pressure-sensitive, meaning the thickness of lines varies with writing pressure.

- **Writing:** Use the provided stylus pen to write or draw on the memo pad surface.
- **One-Touch Clear:** Press the **One-Touch Clear** button (located above the memo pad) to instantly erase all content.
- **Lock Function:** The memo pad features a lock switch (located on the side). When the switch is in the "Lock" position, the content on the memo pad cannot be erased, even if the clear button is pressed. This prevents accidental data loss. To erase, switch to the "Unlock" position.



Image: Demonstrations of the memo pad's one-touch clear, lock function, pressure sensitivity, and magnetic pen storage.

Your browser does not support the video tag.

Video: A demonstration of the NEWYES 991ES Max calculator's features, including the electronic memo pad and its functions.

6. CHARGING AND POWER

The calculator supports two power methods:

- **Type-C Charging:** Connect the provided Type-C USB cable to the charging port on the side of the calculator and a power adapter (not included). The charging indicator will illuminate.
- **Solar Power:** The calculator is equipped with a solar panel. In sufficient light conditions, the solar panel can directly power the calculator. Note that solar power primarily acts as a direct power source and does not significantly charge the internal battery.

ソーラー&TYPE-C充電対応

外出中で使用するときには電気がなくなる
心配はありません



Type-C充電

+



ソーラー



Image: Illustration of the Type-C charging port and solar panel for power.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the calculator and memo pad surfaces. Do not use abrasive cleaners or solvents.
- **Storage:** Store the calculator in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping the device or subjecting it to strong impacts. The foldable design helps protect the screens during transport.



Image: The calculator's foldable design for convenient portability and protection.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Calculator does not turn on.	Low battery or no power.	Connect to a Type-C charger. Ensure sufficient light for solar power.
Memo pad content cannot be erased.	Lock function is enabled.	Slide the lock switch to the "Unlock" position.
Display is dim or unreadable.	Insufficient light for solar power or low battery.	Move to a brighter area or charge the device via Type-C.
Keys are unresponsive.	Device may be frozen or battery is critically low.	Try turning the calculator off and on again. If unresponsive, charge the device.

9. SPECIFICATIONS

Feature	Detail
Model Number	AB0607-1004-7D-J-1
Brand	NEWYES
Display Type	LCD
Screen Size	2.8 inches (Calculator), 6.5 inches (Memo Pad)
Number of Functions	417
Power Source	Battery (Rechargeable via Type-C), Solar Power
Material	ABS
Weight	Approximately 150g (Product), 270g (Package)
Dimensions (Folded)	Approx. 19.4 x 9.6 x 2.9 cm
Memo Pad Rewrites	Approx. 50,000 times

Feature	Detail
Operating Temperature	0-40°C



Image: Visual representation of the calculator's 2-in-1 functionality and detailed specifications.

10. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the product packaging or contact NEWYES customer service directly. Keep your purchase receipt as proof of purchase.