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› CATIGA SS-991EX Scientific Calculator Instruction Manual

CATIGA SS-991EX

CATIGA SS-991EX Scientific Calculator Instruction Manual

Model: SS-991EX | Brand: CATIGA

INTRODUCTION

This manual provides comprehensive instructions for the CATIGA SS-991EX Scientific Calculator. Designed for students and professionals, this calculator offers advanced functionality for various mathematical, scientific, and engineering applications. Please read this manual thoroughly to understand all features and ensure optimal performance.



Image: The CATIGA SS-991EX Scientific Calculator, showcasing its design and packaging.

SETUP AND POWER

The CATIGA SS-991EX calculator is equipped with a dual power source system, utilizing both solar power and a battery backup to ensure reliable operation in various lighting conditions.

- **Solar Power:** The solar panel located on the top of the calculator provides power when sufficient light is available.
- **Battery Backup:** An internal battery ensures continuous operation even in low light or dark environments. This guarantees uninterrupted performance for critical calculations.
- **Automatic Shut-off:** To conserve power, the calculator will automatically turn off after approximately 6 minutes of

inactivity.

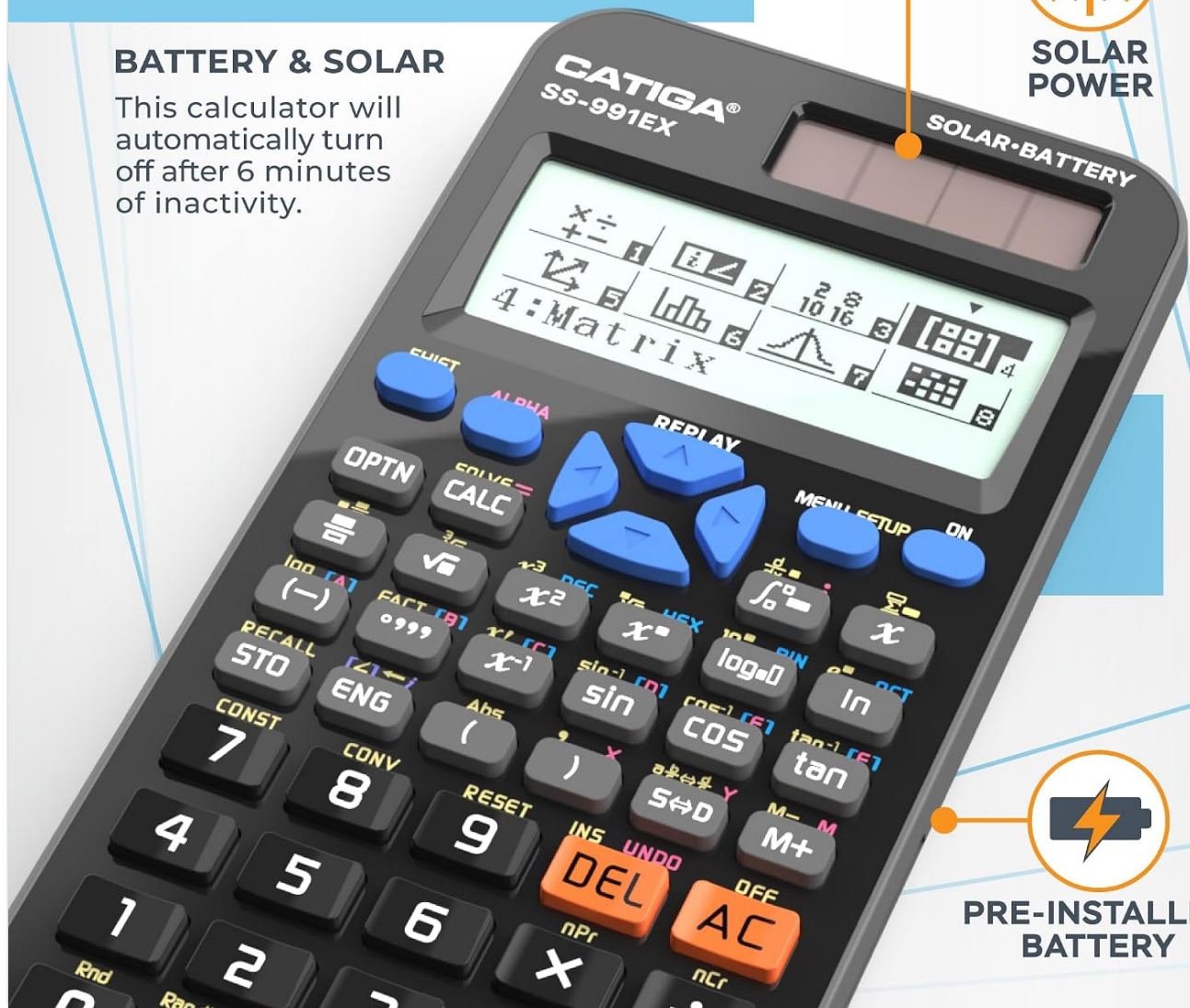
DUAL POWER SOURCES

BATTERY & SOLAR

This calculator will automatically turn off after 6 minutes of inactivity.



SOLAR
POWER



PRE-INSTALLED
BATTERY

Image: Close-up of the CATIGA SS-991EX calculator highlighting its solar panel and indicating dual power sources.

OPERATING INSTRUCTIONS

The SS-991EX features a user-friendly interface with an intuitive icon-based menu and a large, high-resolution LCD for clear display of complex equations and results.

Key Features and Functions

- **552 Functions:** This calculator supports a wide range of functions including basic arithmetic, bracket calculations, sexagesimal calculations, fraction calculations, factorial, irrational numbers, percent, rounding, reciprocal, ratio, matrix calculations, vector calculations, differential and integration calculus, transcendental numbers, base-N calculations, logical operators, and complex number calculations.
- **Natural Display:** Formulas and expressions are displayed as they appear in textbooks, simplifying input and comprehension.

- **Large LCD Screen:** The 2.5-inch high-resolution LCD display provides clear, sharp, and immediate visibility, ideal for advanced operations and simultaneous display of graphs and equations.

Basic Operations

To perform basic calculations, simply input the numbers and operators using the keypad. Press the $=$ key to get the result.

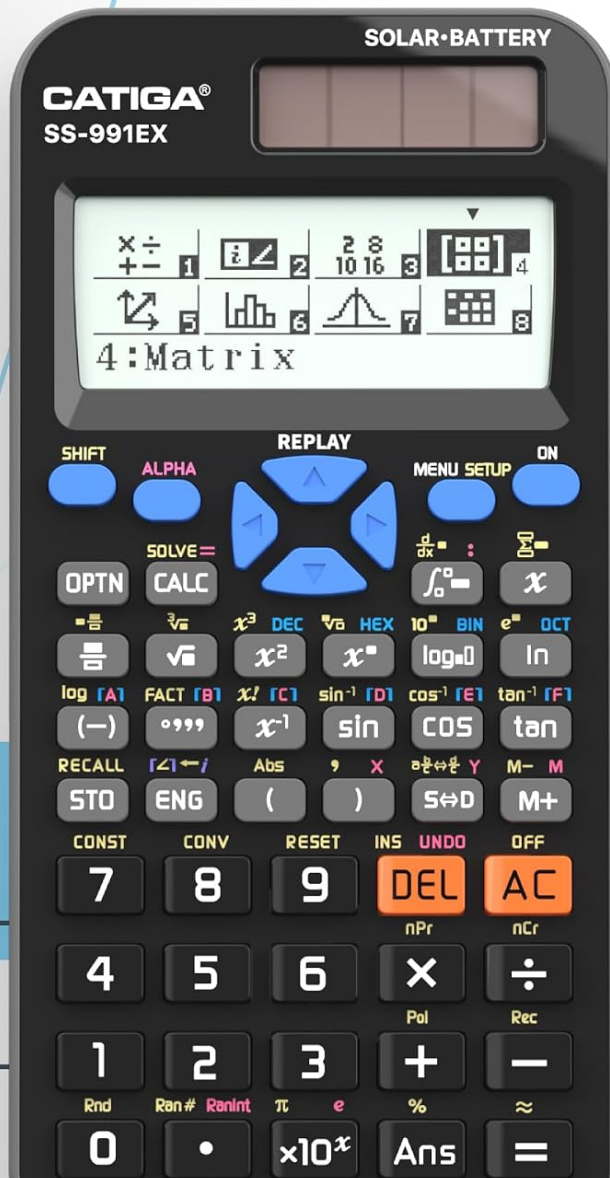
- **Addition:** Press $+$
- **Subtraction:** Press $-$
- **Multiplication:** Press $\times$
- **Division:** Press $\div$
- **Clear Entry:** Press **DEL** to delete the last character.
- **All Clear:** Press **AC** to clear all input and reset the calculation.

Advanced Operations

Access advanced functions through the **SHIFT** and **ALPHA** keys, which activate the secondary and tertiary functions printed above the keys. The icon-based menu system simplifies navigation for complex modes like Matrix, Vector, and Statistics.

OVER

550 FUNCTIONS



BASIC CALCULATION

- Basic Calculation
- Bracket Calculation
- Degree, Minute, Second (Sexagesimal) Calculations
- Fraction Calculation
- Factorial Function
- π
- Irrational Number Calculation
- Percent Calculation (Scientific Calculator Function)
- Rounding Function
- Reciprocal Calculation
- Ratio Calculation

ADVANCED CALCULATION

- Matrix Calculations
- Vector Calculations
- Differential Calculation
- Integration Calculation
- Transcendental Number: e
- Base-N Calculation
- Logical Operators
- Complex Number Calculation

Image: The CATIGA SS-991EX calculator with a visual representation of its extensive function list, including basic and advanced calculations.

INTUITIVE ICON DISPLAY

Easy-To-Learn
**ICON-BASED
MENU**

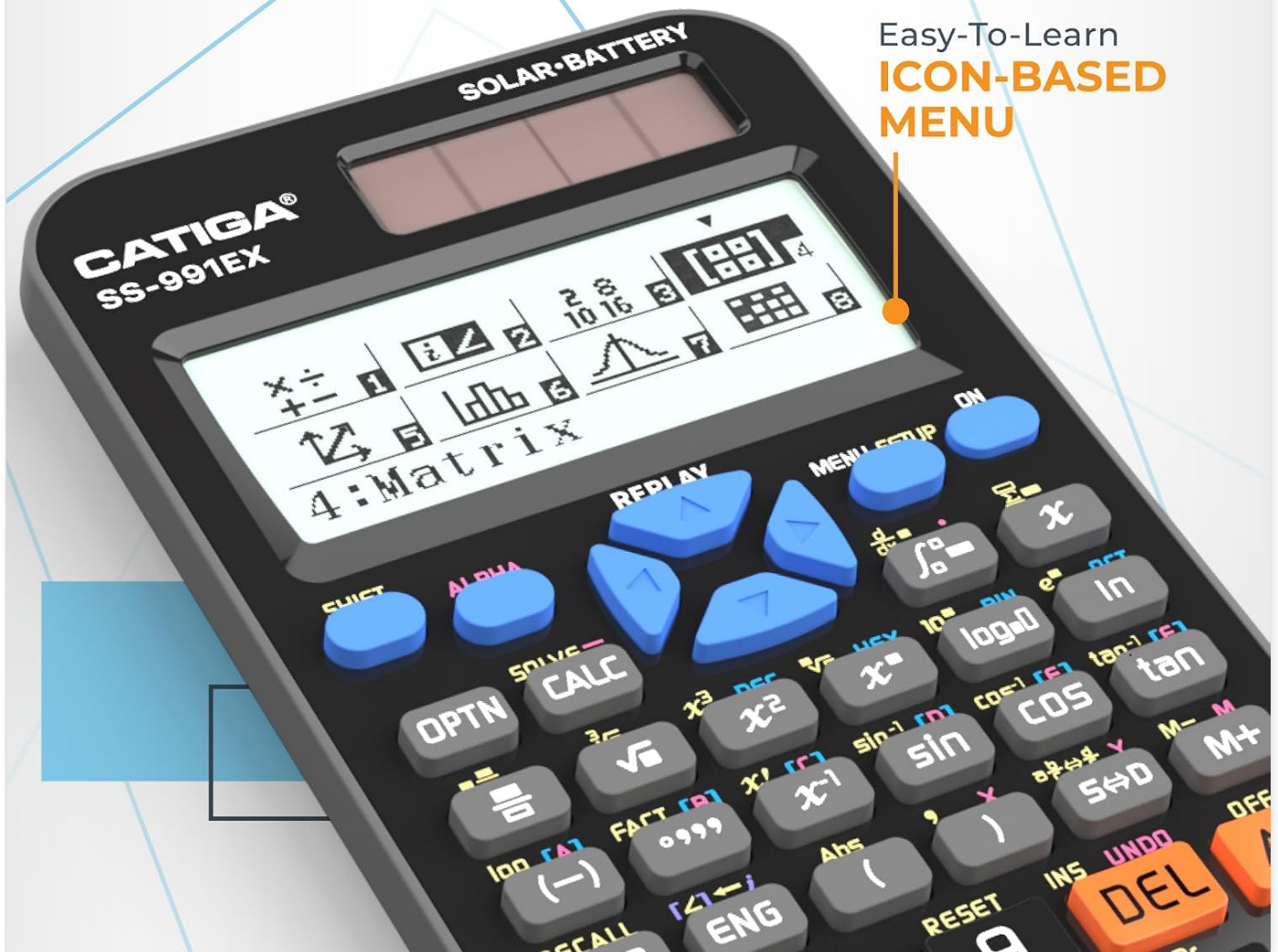


Image: A close-up of the CATIGA SS-991EX calculator's screen, demonstrating its intuitive icon-based menu for easy navigation.

LARGE

2.5" HIGH-RESOLUTION LCD

ENSURE

Clear, Sharp,
& Immediate
Visibility



Image: The CATIGA SS-991EX calculator showcasing its large 2.5-inch high-resolution LCD, ensuring clear visibility of calculations.

MAINTENANCE

Proper care and maintenance will extend the life of your CATIGA SS-991EX calculator.

- **Cleaning:** Use a soft, dry cloth to clean the calculator's exterior. Do not use abrasive cleaners or solvents.
- **Storage:** Store the calculator in a cool, dry place away from direct sunlight and extreme temperatures.
- **Protective Cover:** The SS-991EX comes with a durable protective cover. Always use this cover when the calculator is not in use to prevent scratches and damage to the screen and keys.
- **Durability:** Engineered with strong materials, the SS-991EX is designed to withstand extensive use.

COME WITH **PROTECTIVE COVER**



Image: The CATIGA SS-991EX calculator shown with its included protective cover, emphasizing its durability and protection.

TROUBLESHOOTING

If you encounter issues with your CATIGA SS-991EX calculator, please refer to the following common solutions:

- **Calculator Fails to Turn On:** If the calculator does not power on, ensure it is exposed to sufficient light for solar charging. If the issue persists, try pressing the **RESET** button located on the back of the unit. This can resolve minor software glitches.
- **Display Issues:** If the display is dim or unreadable, ensure adequate lighting for the solar panel. If the problem continues, the internal battery may be low. While the battery is designed for long life, prolonged use in dark conditions may deplete it.
- **Incorrect Calculations:** Verify that the correct mode is selected for your calculation (e.g., DEG, RAD, GRAD for angles). Ensure all previous calculations are cleared using the **AC** button before starting a new one.

For further issues not covered here, please contact CATIGA customer support.

SPECIFICATIONS

Feature	Detail
Model	SS-991EX
Functions	552 Advanced Functions
Power Source	Solar & Battery Powered
Display Type	High-Resolution LCD
Screen Size	3 Inches (Visible screen diagonal: 8 cm)
Dimensions (L x W x H)	6.46 x 3.15 x 0.04 inches
Item Weight	6 ounces
Calculator Type	Engineering/Scientific
Color	991-EX Black

WARRANTY AND SUPPORT

CATIGA is committed to providing high-quality products and excellent customer service.

- **Limited Warranty:** The CATIGA SS-991EX Scientific Calculator comes with a 365-day limited warranty. This warranty covers manufacturing defects and ensures reliability.
- **Customer Support:** For any questions, technical assistance, or warranty claims, please contact CATIGA customer support. We aim to respond to all inquiries within 24 hours.

For more information, visit the official CATIGA store:[CATIGA Store on Amazon](#).

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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