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PeiDog PD_HanShuJiSuanQi_Lan

PeiDog KK-82MS-B/KK-82MS-D Scientific Calculator User Manual

Model: PD_HanShuJiSuanQi_Lan

INTRODUCTION

The PeiDog KK-82MS-B/KK-82MS-D is a portable scientific calculator designed for students and professionals. It features a two-line display and 240 built-in arithmetic functions, making it suitable for a wide range of mathematical calculations from basic arithmetic to complex scientific equations. This manual provides detailed instructions on how to set up, operate, and maintain your calculator.

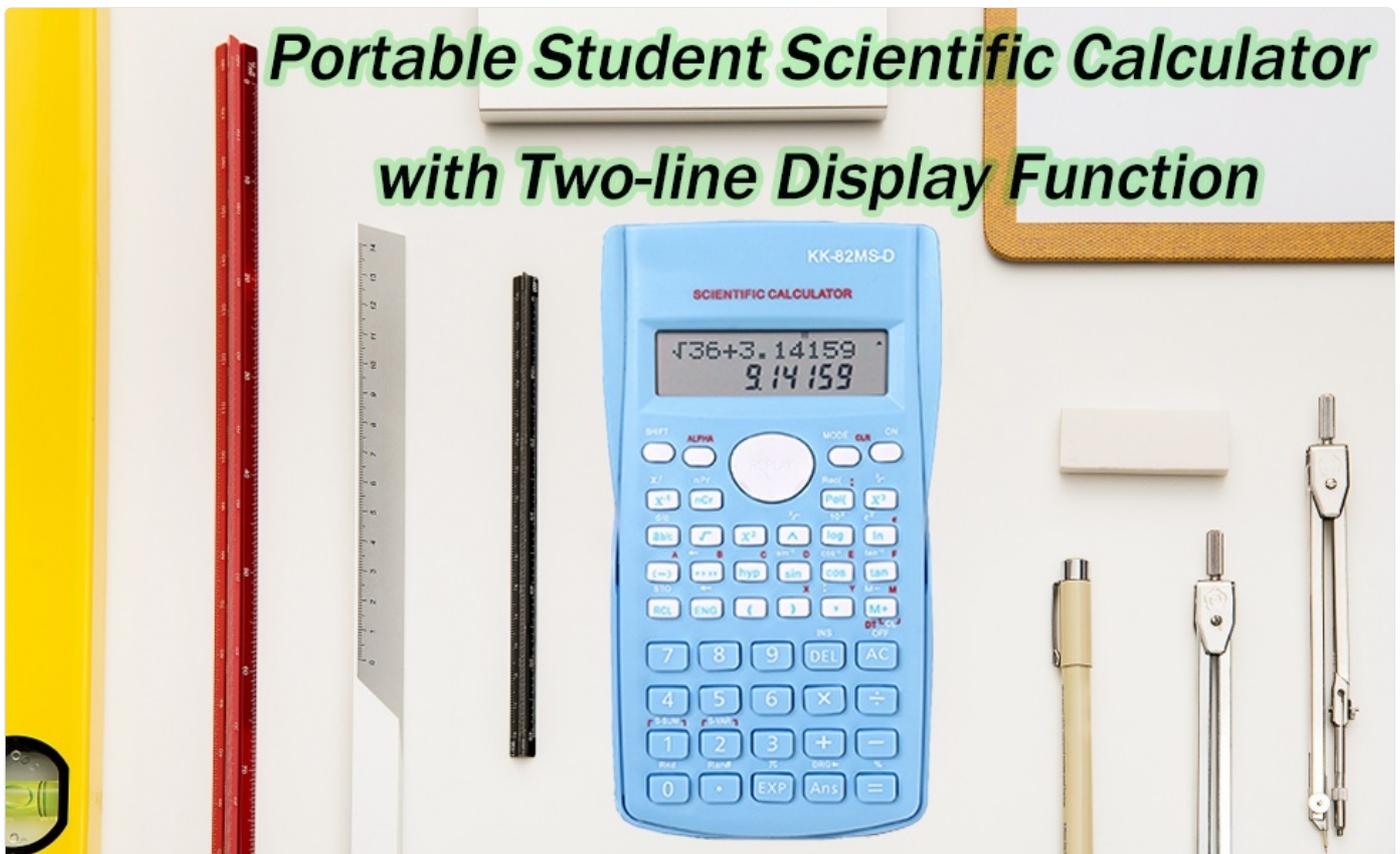


Image: The PeiDog KK-82MS-D Scientific Calculator, highlighting its portable design and two-line display function.

PRODUCT OVERVIEW AND KEY FEATURES

Familiarize yourself with the calculator's layout and main components.

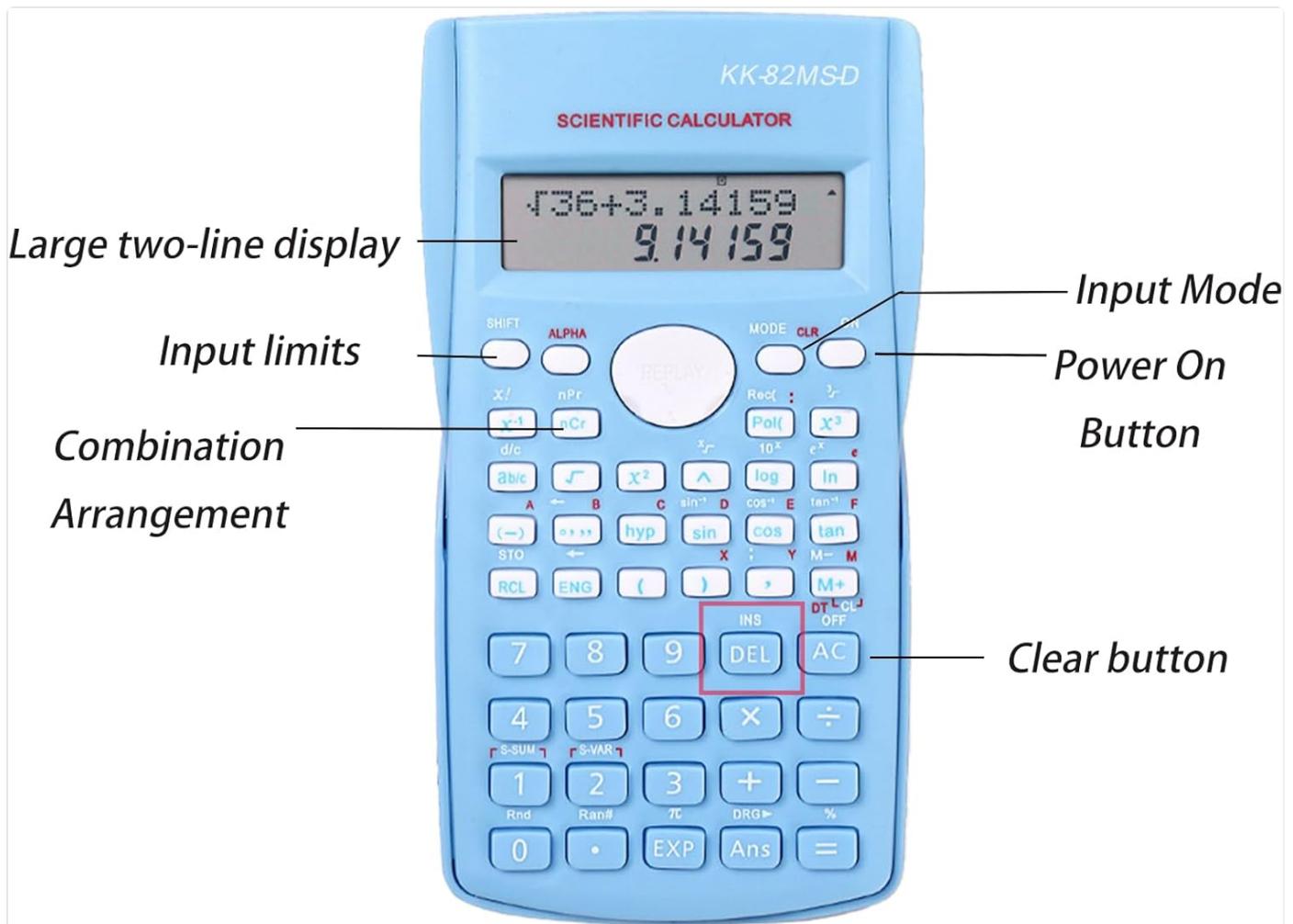


Image: A detailed view of the KK-82MS-D Scientific Calculator with key components labeled, including the large two-line display, input mode, power on button, input limits, combination arrangement, and clear button.

- **Two-line Display:** Shows both the input expression and the calculated result simultaneously.
- **240 Arithmetic Functions:** Comprehensive set of functions for various mathematical operations.
- **Sliding Protective Case:** A durable case that slides to protect the calculator when not in use.
- **Plastic Keys:** Designed for durability and comfortable pressing.
- **Battery Powered:** Operates on 1 Lithium Ion battery (included).

SETUP

Battery Installation

The calculator comes with a Lithium Ion battery pre-installed. If replacement is needed:

1. Locate the battery compartment on the back of the calculator.
2. Use a small screwdriver to open the battery cover.
3. Remove the old battery and insert a new CR2032 Lithium Ion battery, ensuring correct polarity (+/-).
4. Replace the battery cover and secure it with the screw.

Initial Power On

Press the **ON** button located on the top right of the keypad to turn on the calculator. The display will show "0" or the last calculated result.

OPERATING INSTRUCTIONS

This section covers the fundamental operations and functions of your scientific calculator.

Basic Arithmetic Operations

Enter numbers using the numeric keypad and perform operations using the +, -, ×, ÷ buttons. Press = to get the result.

- **Addition:** $5 + 3 =$
- **Subtraction:** $10 - 4 =$
- **Multiplication:** $7 \times 6 =$
- **Division:** $20 \div 5 =$

Scientific Functions

The calculator supports 240 functions. Many functions are accessed by pressing the **SHIFT** or **ALPHA** key followed by another function key.

Lightweight and textured buttons



Image: A hand demonstrating the use of the calculator by pressing its lightweight and textured buttons.

- **Trigonometric Functions (sin, cos, tan):** Press **sin**, **cos**, or **tan** followed by the angle value. Ensure the correct angle mode (DEG, RAD, GRA) is selected using the **MODE** button.
- **Logarithms (log, ln):** Use **log** for base 10 logarithm and **ln** for natural logarithm.
- **Powers and Roots (x^2 , x^3 , $\sqrt{\quad}$, $\sqrt[3]{\quad}$):**
 - Square: Enter number, then press **x²**.
 - Cube: Enter number, then press **SHIFT** then **x³**.
 - Square Root: Press **√** then enter number.
 - Cube Root: Press **SHIFT** then **$\sqrt[3]{\quad}$** then enter number.
- **Fractions:** Use the **a b/c** button for mixed numbers and improper fractions.
- **Factorial (!):** Enter number, then press **SHIFT** then **x!**.

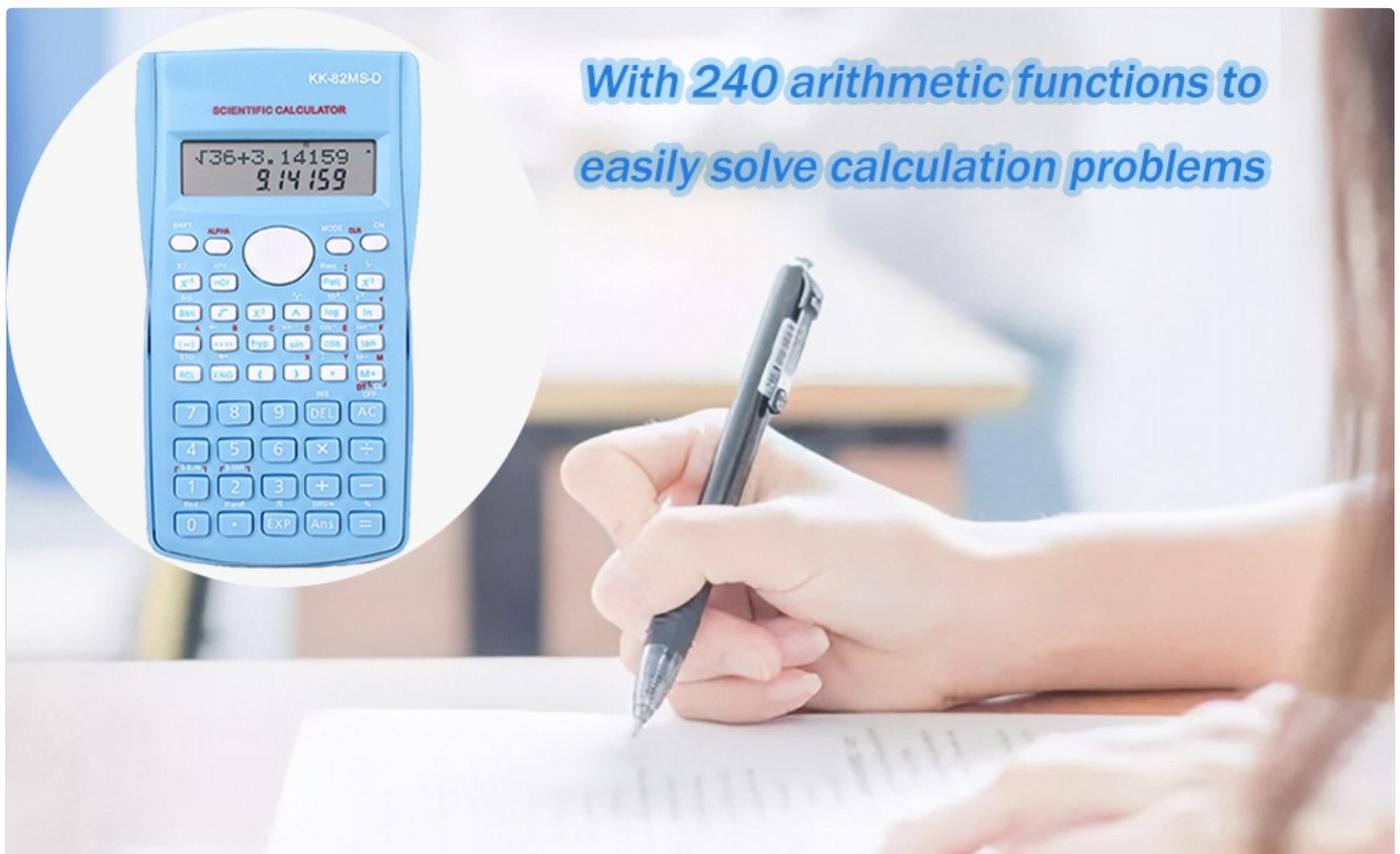


Image: A student using the calculator, illustrating its capability with 240 arithmetic functions to solve various calculation problems.

Memory Functions (STO, RCL, M+, M-)

- **STO (Store):** Stores a value into a memory variable (A, B, C, D, E, F, X, Y, M). Example: $5 \text{ STO } A$
- **RCL (Recall):** Recalls a value from a memory variable. Example: $RCL A$
- **M+ (Memory Plus):** Adds the displayed value to the independent memory.
- **M- (Memory Minus):** Subtracts the displayed value from the independent memory.

Display and Correction

- **Two-line Display:** The upper line shows the input expression, and the lower line shows the result. Use the arrow keys to scroll through long expressions.
- **DEL (Delete):** Deletes the character at the cursor position.
- **AC (All Clear):** Clears all calculations and memory (except independent memory).

- **CLR (Clear):** Clears specific data (e.g., memory, mode settings). Press **SHIFT** then **CLR** to access clear options.

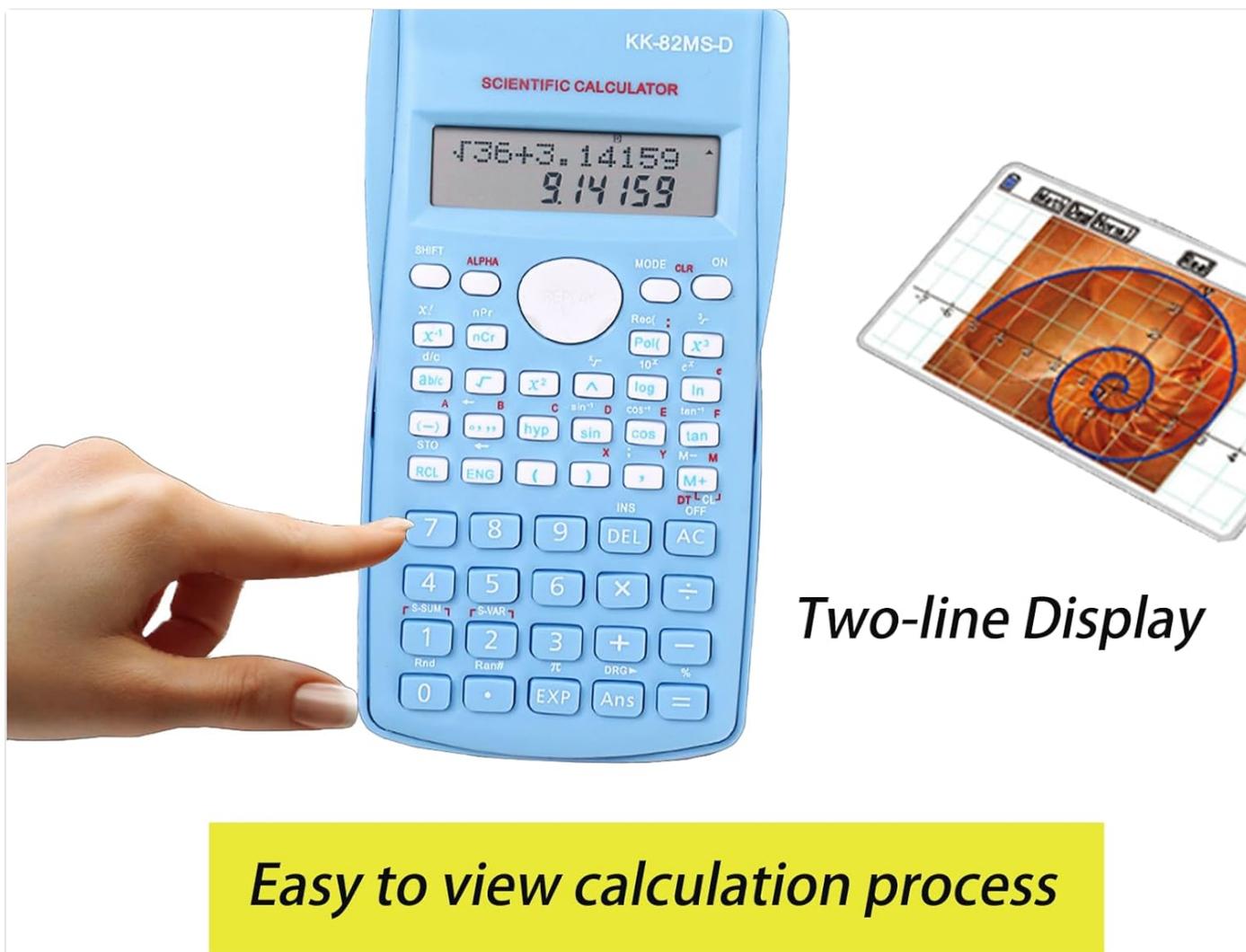


Image: The calculator displaying an equation and its result on its two-line screen, demonstrating the ease of viewing the calculation process.

MAINTENANCE

Cleaning

To clean your calculator, wipe it gently with a soft, dry cloth. Do not use abrasive cleaners, solvents, or spray directly onto the calculator, as this may damage the display or keys.

Storage

When not in use, store the calculator in its sliding protective case to prevent scratches and damage. Keep it in a cool, dry place away from direct sunlight and extreme temperatures.

Battery Replacement

Refer to the "Battery Installation" section under "Setup" for instructions on replacing the battery when the display becomes dim or the calculator stops functioning.

TROUBLESHOOTING

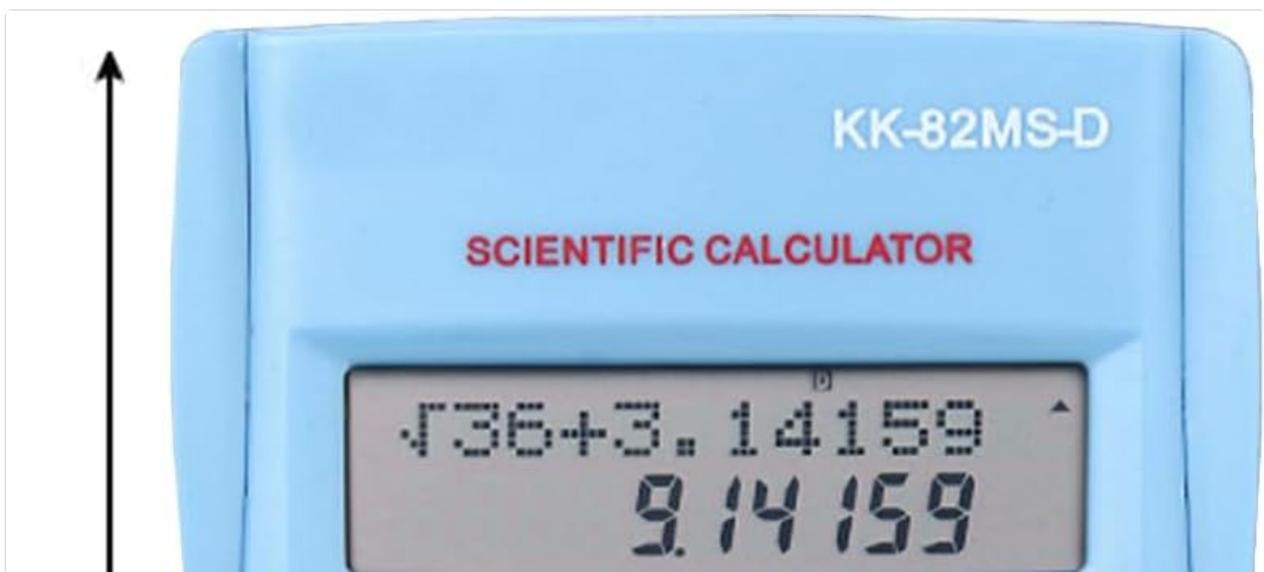
Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Calculator does not turn on.	Low or dead battery.	Replace the battery.
Display is dim or unreadable.	Low battery power.	Replace the battery.
Incorrect calculation results.	Incorrect mode setting (e.g., angle mode). Syntax error in input.	Check and adjust the mode setting. Review your input expression for errors. Press AC to clear and re-enter.
Calculator freezes or becomes unresponsive.	Temporary software glitch.	Press the RESET button (if available, usually a small hole on the back requiring a thin object like a paperclip). If no reset button, remove and reinsert the battery.

SPECIFICATIONS

Key technical specifications for the PeiDog KK-82MS-B/KK-82MS-D Scientific Calculator:

- **Model Number:** PD_HanShuJiSuanQi_Lan
- **ASIN:** B0CLDG2HHG
- **Brand:** PeiDog
- **Calculator Type:** Engineering/Scientific
- **Display Type:** LCD, Two-line
- **Number of Functions:** 240 Arithmetic Functions
- **Power Source:** Battery Powered (1 Lithium Ion battery included)
- **Material:** Plastic
- **Color:** Blue (Without Writing Pad)
- **Package Dimensions:** 19.1 x 11 x 2.3 cm
- **Item Weight:** 50 g
- **Country of Origin:** China
- **First Available:** 19 October 2023



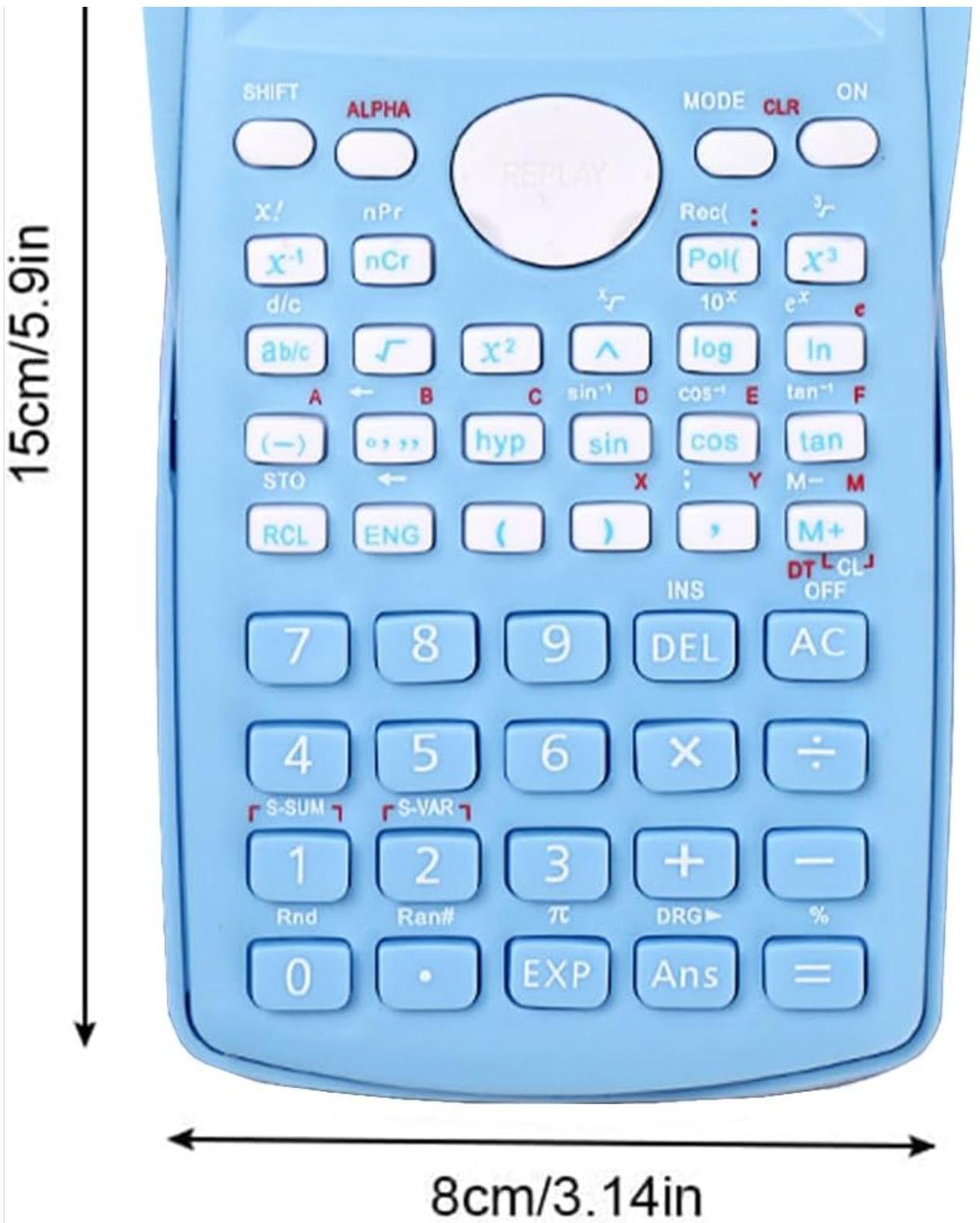


Image: The KK-82MS-D Scientific Calculator with its dimensions indicated: 15cm/5.9in in length and 8cm/3.14in in width.

WARRANTY AND SUPPORT

Your calculator comes with an instruction piece. For any questions or issues regarding your PeiDog scientific calculator, please contact the seller directly. The manufacturer, PeiDog, is committed to providing satisfactory answers within 24 hours for after-sales inquiries.

Seller Contact: Refer to your purchase details on Amazon for seller information (peipei-eu).

Manufacturer: PeiDog

