

## CATIGA SP-2401

# CATIGA SP-2401 12-Digit Thermal Printing Calculator User Manual

Model: SP-2401

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## 1. INTRODUCTION

The CATIGA SP-2401 is a 12-digit thermal printing calculator designed for efficient and accurate calculations. This device features ink-free thermal printing, a fast printing speed of 8.0 lines per second (LPS), and a large fluorescent display for enhanced readability. It includes functions for tax calculation, cost/sell/margin analysis, and memory operations, making it suitable for various professional and personal accounting tasks.



Image: The CATIGA SP-2401 thermal printing calculator, showcasing its display, keyboard, and paper roll output.

## 2. SETUP

### 2.1 Power Connection

Connect the calculator to a power source using the provided AC adapter. Ensure the adapter is securely plugged into both the calculator and a standard electrical outlet.

## 2.2 Paper Roll Installation

The SP-2401 uses thermal paper rolls. Follow these steps to install a new paper roll:

1. Open the paper roll cover located at the top of the calculator.
2. Place the new thermal paper roll into the compartment, ensuring the paper feeds from the bottom of the roll towards the printer mechanism.
3. Feed the leading edge of the paper into the printer slot until it is automatically gripped and advanced.
4. Close the paper roll cover.



*Image: The CATIGA SP-2401 calculator with a user manual page illustrating the paper loading mechanism, highlighting the ease of installation.*

This calculator utilizes ink-free thermal printing, eliminating the need for ink cartridges and ensuring clean, smudge-free printouts.



*Image: Close-up of the CATIGA SP-2401's thermal printer output, emphasizing its ink-free operation and fast 8.0 LPS printing speed.*

### 3. OPERATING INSTRUCTIONS

#### 3.1 Display and Keyboard

The calculator features a 12-digit fluorescent display for clear viewing and a full-sized tactile keyboard for precise data entry.



*Image: A detailed view of the CATIGA SP-2401's bright, 12-digit fluorescent display, designed for superior readability.*

For Enhanced Precision

# FULL-SIZED KEYBOARD

With Large Font



*Image: The full-sized tactile keyboard of the CATIGA SP-2401, featuring large, ergonomic buttons for comfortable and accurate data entry.*

## 3.2 Basic Arithmetic

The SP-2401 operates as a functional adding machine. Entries are added to a running total. To perform calculations:

- **Addition:** Enter the first number, press **+**, enter the second number, press **+**. The display will show the running total.
- **Subtraction:** Enter the first number, press **+**, enter the number to subtract, press **-**.
- **Multiplication/Division:** Use the **X** and **÷** keys as standard.
- To show and print a subtotal without finalizing the total, press **\***.
- To clear the current entry, press **C.CE**.

## Not A Standard Calculator

# THIS IS A FUNCTIONAL ADDING MACHINE

Example:

- To add  $4 + 2$ , enter:  $4 + 2 +$  (see details in Q1)
- To subtract  $4 - 2$ , enter:  $4 + 2 -$  (see details in Q2)
- The machine adds each entry to a running total.
- Press " $\ast$ " to show and print the subtotal without finalizing the total.

Q1:  $4 + 2 = 6$

Operation	Display	Print-Out
$C \cdot CE$	0	0. C
4 +	4	4. +
2 +	6	2. +
$\ast$	6	6. G+

Q2:  $4 - 2 = 2$

Operation	Display	Print-Out
$C \cdot CE$	0	0. C
4 +	4	4. +
2 -	2	2. -
$\ast$	2	2. G+

For more functions and examples, please refer to the manual.

*Image: A visual guide demonstrating basic addition and subtraction operations on the CATIGA SP-2401, showing both display and print-out results.*

### 3.3 Decimal and Rounding Settings

Adjust the decimal point and rounding settings using the dedicated switches on the calculator. Common settings include '2' for two decimal places and '5/4' for standard rounding.

### 3.4 Tax Calculation (TAX+, TAX-)

The calculator includes dedicated keys for tax calculations. To use these functions, you must first set the tax rate:

1. Enter the tax rate percentage (e.g., 5 for 5%).
2. Press the **SET** button (refer to manual for specific key sequence).
3. Use **TAX+** to add tax to a value or **TAX-** to subtract tax.

### 3.5 Cost/Sell/Margin Calculations

Utilize the **COST**, **SELL**, and **MARGIN** keys to perform profit margin calculations. Refer to the detailed manual for specific input sequences.



## 4. MAINTENANCE

### 4.1 Cleaning the Unit

To maintain optimal performance and appearance, regularly clean the calculator. Use a soft, dry cloth to wipe the exterior. For the display, use a soft, lint-free cloth. Avoid using abrasive cleaners, solvents, or spraying liquids directly onto the unit.

### 4.2 Replacing Paper Rolls

When the thermal paper roll runs out or the print becomes faint, replace it following the instructions in Section 2.2. Ensure to use only compatible thermal paper rolls for best results and to prevent damage to the printer mechanism.

## 5. TROUBLESHOOTING

If you encounter issues with your CATIGA SP-2401, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Calculator does not power on.	AC adapter not connected or faulty.	Ensure AC adapter is securely plugged in. Test outlet. Replace adapter if necessary.
No printout or faint print.	Paper roll empty, incorrectly installed, or non-thermal paper used.	Replace paper roll, ensure correct orientation (thermal side facing print head), use thermal paper only.
"Error" displayed.	Calculation overflow or invalid operation.	Press <b>C.CE</b> to clear. Review calculation steps.
Incorrect tax calculation.	Tax rate not set or set incorrectly.	Re-enter and set the correct tax rate.

### 5.1 Resetting the Calculator

If the calculator becomes unresponsive or exhibits unusual behavior, a reset may resolve the issue. Locate the small **RESET** button (often recessed) and press it gently with a pointed object (e.g., a paperclip). This will clear all current calculations and settings.

## 6. SPECIFICATIONS

- **Model:** SP-2401

- **Display:** 12-Digit Fluorescent (VFD)
- **Printing Method:** Thermal Printing
- **Printing Speed:** 8.0 Lines Per Second (LPS)
- **Power Source:** AC Adapter
- **Dimensions:** Approximately 12.99 x 8.11 x 2.8 inches
- **Weight:** Approximately 2.2 pounds
- **Functions:** Basic Arithmetic, Tax Calculation, Cost/Sell/Margin, Memory, Grand Total, Date/Time

## 7. WARRANTY AND SUPPORT

CATIGA is committed to providing reliable products and customer satisfaction. For any inquiries or assistance, please refer to the following support options:

- **Customer Support:** 24/7 online support is available.
- **Phone Support:** Lifetime support by phone, available 9am - 5pm PST.
- **Return Guarantee:** A 30-day unconditional return guarantee is provided.

For detailed contact information, please visit the official CATIGA website or refer to the documentation included with your product.



*Image: Visual representation of CATIGA's customer support offerings, including 24/7 support, lifetime phone support, and a 30-day return guarantee.*