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› CATIGA SP-2401 Thermal Printing Adding Machine User Manual

CATIGA SP-2401

CATIGA SP-2401 Thermal Printing Adding Machine User Manual

Model: SP-2401

INTRODUCTION

Welcome to the user manual for your CATIGA SP-2401 Thermal Printing Adding Machine. This device is designed for efficient and accurate financial calculations, featuring ink-free thermal printing and a large fluorescent display. Please note that this is an **adding machine**, which operates differently from a standard calculator. It is optimized for sequential addition and subtraction, maintaining a running total.

For optimal performance and to understand its unique operational logic, please read this manual thoroughly before use.



Figure 1: CATIGA SP-2401 Thermal Printing Adding Machine (Black model)

SETUP

1. Unpacking and Inspection

Carefully remove the adding machine from its packaging. Inspect the unit for any signs of damage. Ensure all components are present: the CATIGA SP-2401 adding machine, power adapter, and a roll of thermal paper.

2. Power Connection

The CATIGA SP-2401 operates on corded electric power. Connect the provided power adapter to the DC input port on the adding machine and then plug it into a standard electrical outlet. The device does not operate on batteries and requires continuous power for use.

3. Loading Thermal Paper

This adding machine uses thermal paper, eliminating the need for ink cartridges.

1. Open the paper roll cover located at the top rear of the machine.
2. Place the new thermal paper roll into the compartment, ensuring the paper feeds from the bottom of the roll.
3. Pull a small length of paper out and feed it through the printer slot until it emerges from the front.
4. Close the paper roll cover. The machine features an easy-to-load paper mechanism for convenience.



Figure 2: Illustration of Ink-Free Thermal Printing and Paper Loading

OPERATING INSTRUCTIONS

Understanding the Adding Machine Logic

The CATIGA SP-2401 is an adding machine, not a standard algebraic calculator. This means operations are entered differently, and the machine maintains a running total.

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 “ $*$ ” to show and print the subtotal without finalizing the total.

Q1: $4 + 2 = 6$

Operation	Display	Print-Out
C • CE	0	0. C
4 +	4	4. +
2 +	6	2. +
*	6	6. G+

Q2: $4 - 2 = 2$

Operation	Display	Print-Out
C • CE	0	0. C
4 +	4	4. +
2 -	2	2. -
*	2	2. G+

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

Figure 3: Visual Explanation of Adding Machine Operations

- **Addition:** To calculate $4 + 2 = 6$, enter $4 + 2 +$. Then press the $*$ (Subtotal) key to display and print the subtotal. The machine adds each entry to a running total.
- **Subtraction:** To calculate $4 - 2 = 2$, enter $4 + 2 -$. Then press the $*$ (Subtotal) key. (This treats the operation as 4 plus negative 2).
- The $*$ key acts as a Subtotal function. It displays and prints the current subtotal without finalizing or clearing the grand total.
- The **GT** (Grand Total) key will display and print the final accumulated total and clear the machine for a new calculation series.

Key Functions Overview

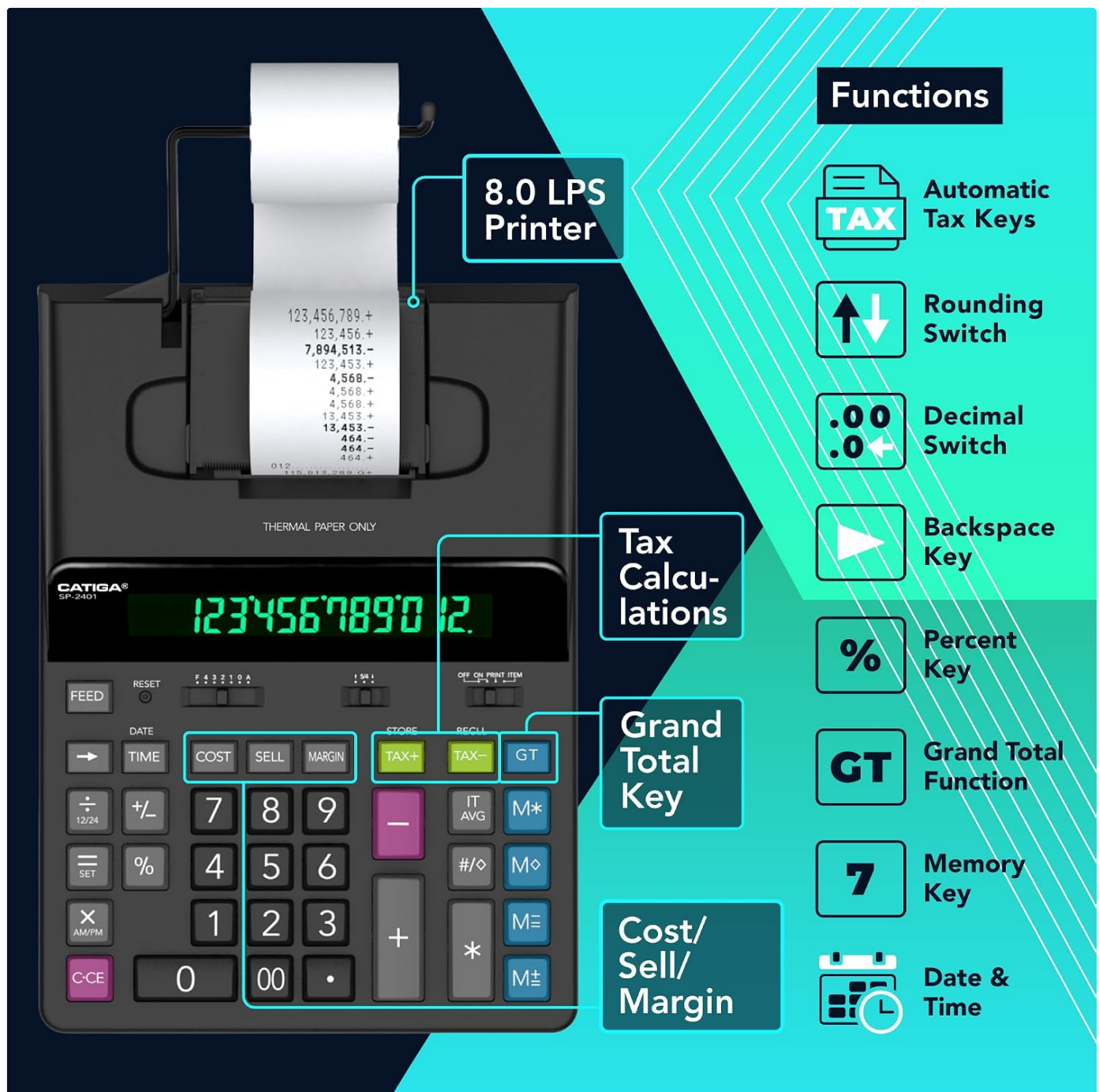


Figure 4: Overview of Key Functions on the CATIGA SP-2401

- **Numeric Keypad (0-9, 00):** For entering numerical values. The full-sized tactile keyboard ensures comfortable and accurate data entry.
- **+ / - Keys:** Used to add or subtract the entered value from the running total.
- *** (Subtotal) Key:** Prints and displays the current subtotal without clearing the running total.
- **GT (Grand Total) Key:** Prints and displays the final grand total and clears the machine.
- **TAX+ / TAX- Keys:** For automatic tax calculations. Refer to the manual for setting tax rates.
- **COST / SELL / MARGIN Keys:** For profit margin calculations.
- **M+ / M- / M* / M= Keys:** Memory functions for storing, adding to, subtracting from, recalling, and clearing memory.
- **% (Percent) Key:** For percentage calculations.
- **C.CE (Clear Entry / Clear All) Key:** Clears the last entry or all entries depending on the number of presses.
- **FEED Key:** Advances the thermal paper.

- **DATE / TIME Key:** Displays and prints the current date and time.
- **Rounding Switch:** Adjusts rounding settings for calculations.
- **Decimal Switch:** Sets the number of decimal places.
- **On/Off Switch with Itemizing Option:** Powers the unit on/off and controls itemized printing.



Figure 5: Close-up of the Full-Sized Tactile Keyboard

MAINTENANCE

1. Ink-Free Thermal Printing

The CATIGA SP-2401 utilizes advanced thermal printing technology, eliminating the need for ink cartridges or ribbons. This ensures clean, smudge-free printouts and reduces maintenance. Simply ensure you are using compatible thermal paper rolls.

2. Cleaning the Device

To maintain the appearance and functionality of your adding machine:

- Disconnect the power adapter before cleaning.
- Wipe the exterior of the machine with a soft, dry cloth. For stubborn marks, a slightly damp cloth can be used, followed by a dry cloth.
- Do not use abrasive cleaners, solvents, or spray directly onto the device.
- Periodically, gently clean the thermal print head with a soft, lint-free cloth to ensure clear printouts. Avoid touching the print head with bare hands.

TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Machine does not power on.	Power adapter not connected or faulty outlet.	Ensure the power adapter is securely plugged into both the machine and a working electrical outlet. Check the power switch position.
Paper does not feed or print.	Paper incorrectly loaded, paper jam, or out of paper.	Verify the thermal paper is loaded correctly (feeding from the bottom). Clear any paper jams. Replace the paper roll if empty. Press the FEED key to advance paper.
Printouts are faint or blank.	Incorrect paper type, thermal paper loaded upside down, or dirty print head.	Ensure you are using thermal paper. Flip the paper roll if it's loaded with the non-thermal side facing the print head. Gently clean the thermal print head.
"E" (Error) code on display.	Input error or calculation overflow.	Press the C.CE key to clear the error. Review your input sequence, especially for complex calculations, and ensure it aligns with the adding machine logic.
Keys feel sticky or unresponsive.	New unit stiffness or debris under keys.	For new units, continued use will typically break in the keys. For older units, ensure the area around the keys is clean and free of debris.

If the problem persists after trying these solutions, please contact CATIGA customer support for further assistance.

SPECIFICATIONS

Feature	Detail
Model Name	SP-2401
Display	12-Digit Extra Large Fluorescent Display
Printing Method	Ink-Free Thermal Printing
Printing Speed	8.0 Lines Per Second (LPS)

Feature	Detail
Keyboard	Full-Sized Tactile 10-Key Layout
Power Source	Corded Electric
Product Dimensions	10 x 7 x 2 inches
Item Weight	2.16 pounds
Manufacturer	CATIGA
Country of Origin	China



Figure 6: Close-up of the 12-Digit Fluorescent Display

Warranty Information

The CATIGA SP-2401 Thermal Printing Adding Machine is engineered for longevity and is backed by a **1-year limited warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

Customer Support

For technical assistance, warranty claims, or any questions regarding your CATIGA SP-2401, please contact CATIGA customer support.

- **Online Support:** Visit the official CATIGA website for FAQs and support resources.
- **Contact Information:** Refer to the contact details provided in your product packaging or on the CATIGA official website.

Please have your model number (SP-2401) and purchase date ready when contacting support.

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