Thank you for purchasing the SHARP Scientific Calculator Model EL-509TS.

When using for the first time

• Use of the calculator may be prohibited or restricted in the case of utilizing postfix functions (ex. N-Base function) or the same calculator may be prohibited or restricted in the case of utilizing postfix functions (ex. N-Base function).

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1. First, press [ON] to turn on the calculator and then [SR] to turn it off.

To specify the symbol for the 
...
**Correlation coefficient**

- The calculation result is automatically stored in memories X and Y.
- Value of X or Y is memory 1. Value of X or Y is memory 2.

**Model illustration**

- Calculation results are internally obtained in scientific notation with up to 14 digits for the mantissa. However, since calculation results are displayed in the form designated by the display notation and the number of decimal places indicated, the internal calculation result may differ from that shown in the display. By using the modify function, the internal value is converted to match that of the display, so that the displayed value can be used without change in subsequent operations.

**Statistical Calculations**

**Press** [MODE 2] to select the statistical mode. The seven statistical calculations listed below can be performed. After selecting the statistical mode, select the desired sub-mode by pressing the number key corresponding to your choice.

**To change statistical sub-mode, reselect statistical mode (press [MODE]).**

**Correction**

- To delete a data set, display the item of the data set to delete, then press [AC/清].

**Calculation**

- When [X<->Y] appears, more data items can be browsed by pressing [X<->Y].

**Error Codes and Error Types**

- An error will occur if an operation exceeds the calculation ranges, or if a mathematical illegal operation is attempted. When an error occurs, pressing [X<->Y] or [X<->Y] automatically moves the cursor back to the place in the equation where the error occurred. Edit the equation or press [AC/清] to clear the equation.

**BATTERY REPLACEMENT**

- Improper handling of batteries can cause electrical leakage or explosion. Be sure to observe the following handling rules.

- Make sure the new battery is the correct type.

- Before installing the new battery, carefully inspect the case for any remaining old battery residue. If any old battery residue is present, remove it immediately with a clean cloth and ethanol.

**Error Codes and Error Types**

- If the product is not to be used for some time, to avoid damage to the unit from leaking/batteries, remove them and store in a safe place.

- Do not leave exhausted batteries inside the product.

- Keep batteries out of the reach of children.

- Explosion risk may be caused by incorrect handling.

- Do not throw batteries into a fire as they may explode.

**Replacement Procedure**

- Turn the power off by pressing [OFF].

- Remove the screws. (Fig. 1)

- Lift the battery cover to remove. (Fig. 1)

- Replace the used battery by putting it in a ball-point pen or other similar pointed device. (Fig. 2)

- Install one new battery. Make sure the “+” side is facing up.

**For More Information About Sharp Calculators Visit:**

http://www.sharp-calculators.com
### 1. Information on the Disposal of this Equipment and its Batteries

1. **In the European Union**

   **Attention:**
   If you want to dispose of this equipment, please do not use the ordinary dust bin!

   Used electrical and electronic equipment must be treated separately and in accordance with legislation that requires proper treatment, recovery and recycling of used electrical and electronic equipment.

   Following the implementation by member states, private households within the EU states may return their used electrical and electronic equipment to designated collection facilities free of charge. In some countries,* your local retailer may also take back your old product free of charge if you purchase a similar new one.

   Please contact your local authority for further details.

   If your used electrical or electronic equipment has batteries or accumulators, please dispose of these separately beforehand according to local requirements.

   By disposing of this product correctly you will help ensure that the waste undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health which could otherwise arise due to inappropriate waste handling.

2. **In other Countries outside the EU**

   If you wish to discard this product, please contact your local authorities and ask for the correct method of disposal.

### Manufactured by:

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