**Specification**
- Display: 8 digits and sign digit
- Functions: Addition, subtraction, multiplication, division, memory calculation, constant calculation, percentage calculation, square root calculation, addition / subtraction calculation, power calculation, mixed chain calculation, exchange calculation, etc.
- Decimal point: Fully floating with decimal underflow system.
- Credit balance: Actual figure with sign
- Operating temperature: 32°F – 104°F (0°C – 40°C)
- Power consumption: AC adapter approx. 2.0W charger approx. 3.0W Ni-Cd or dry battery approx. 0.5W
- Power source: AC = Use exclusive AC adapter Input 50/60 Hz, 100V/117V/220V/240V Output 6V 1000mA. Use exclusive Charger Input 50/60Hz, 100V/117V/220V/240V Output 7.5V 150mA. DC = Dry battery AA size 1.5V x 4 = 6V
- Overflow: Indicated on the sign digit
- Calculation capacity: Entry 8 digits
- 8 digits ± 8 digits ± 8 digits
- 8 digits x 8 digits
- Memory calculation: 8 digits
- Square root ± 8 digits ± 8 digits

**Battery life:**
- Manganese battery approx. 8 hours / Alkaline battery approx. 13 hours / Ni-Cd battery approx. 7 hours
- Charging time:
  - approx. 4.5 hours with charging only
  - approx. 10 hours while operating calculator.

**COMBINATION TABLE OF POWER SOURCE**

<table>
<thead>
<tr>
<th>Unit Battery</th>
<th>Ex. Charger</th>
<th>AC Adapter</th>
<th>Ni-Cd Battery</th>
<th>Manganese Battery</th>
<th>Alkaline battery</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ni-Cd Battery</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>X</td>
<td>O</td>
</tr>
<tr>
<td>Manganese Battery</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Alkaline Battery</td>
<td>X</td>
<td>X</td>
<td>O</td>
<td>O</td>
<td>X</td>
</tr>
<tr>
<td>Ni-Cd Battery</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

Note 1: Never use the charger or AC adapter whilst dry batteries are in use. Unless you remove the batteries under these conditions, considerable damage may be caused to the circuit.

2. The charging unit must never be connected unless the unit is fitted with Ni-Cd batteries, otherwise damage may result.

Because we continually strive to improve our products, we may change specifications without prior notice.

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**Control switch and operating keys**

- **DR-OFF switch**
  - Square root key
  - Clear/change key
  - Memory equal key
  - Recall/Clear memory key
  - Addition key
  - Subtraction key
- **Entry keys**
  - Equal key
  - Decimal point key
- **Sign digit**
  - *Overflow sign*
  - *Overflow at Minus*
  - *Square root of Minus*
  - Minus sign

**Calculation examples**

1. **Addition and Subtraction**
   - Example:
     - \( 123 + 456 = 579 \)

2. **Mixed Calculation**
   - Example:
     - \( (25 \times 40 + 100) = 1000 \)

3. **Constant Calculation**
   - Example:
     - \( 12 \times 32 - 24 \times 9 = 54 \)

**Battery replacement**

Before replacing batteries, first turn switch to "OFF" position and, if using the AC mains adaptor or charger, disconnect them from the calculator. Slide the lid off the battery compartment in the direction indicated by the arrow and remove the exhausted batteries. When inserting the new batteries, ensure you observe the correct polarity as indicated. Inserting the batteries the wrong way could result in damage.

**AC adaptor & charger (optional)**

Use only a recommended AC mains adaptor & charger. Using other adaptors or chargers, which might have incorrect outputs, could damage your calculator. When using the AC adaptor there is need to remove the batteries.

**Care of the calculator**

In the event of damage, do not attempt to repair this instrument. Return it for attention by our trained service engineers. Avoid placing the calculator where there is a high temperature or high level of humidity. Do not use petroleum-based cleaners. Always switch to the "OFF" position after use, for some time.

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**6. Reverse calculation**

Example:

\[ 3 \times (2 \times 3 \times 4) = 0.125 \]

**7. Memory Calculation**

Example 1:

\[ 1200 \times 10 + 3 \times 5 + (45.678 \times 0.11) + (9 - 14) = 123.45678 \]

Example 2:

\[ 123 \times (3 \times 5) - 108 \]

**8. Square root**

Example:

\[ \sqrt{2} = 2.4494897 \]