WARRANTY

Sharp Electronics Corporation warranties to the original purchaser that this product is free from defective materials and workmanship. Sharp will remedy any defective part for a period of 5 years from date of purchase. Additionally, for a period of 90 days from date of purchase there is no labor charge. This warranty does not apply to carrying case and strap, and batteries, nor to misuse or abuse. If this unit has been altered, or repaired by other than an authorized Sharp Factory Service Center, no warranty is in force. The unit, together with dated proof of purchase and $3.00 for handling, must be sent to the Sharp Factory Service Center nearest you. This warranty does not apply to this unit if purchased outside the United States.

1. INTRODUCTION

Small, fast, and easy. That's our new handy pocket size EL-8005. Yet you can perform complicated calculations up to 8 digits.
2. OUTSTANDING FEATURES

- Easy-to-read zero suppress system
- Overflow error check device
- Easy-to-operate algebraic operation
- Convenient tax/discount calculation
- Automatic constant calculation
- Percentage calculation
- Power calculation
- Chain multiplication and division

4. OVERFLOW ERROR

Overflow error occurs in the following cases.
1. When the integer portion of sum, difference, product or quotient exceeds 8 digit.
2. When a number is divided by zero.

When an overflow error is detected, all the decimal points and a zero are displayed.
An overflow error symbol (E) turns on, or (LE) turns on. An overflow error electronically interlocks all keys except (C) key. An overflow error is released by pressing (G) key.

CAUTION

1. When the voltage of the battery is lowered, the display will become dark.
   In such a case please exchange the battery with new one.
2. In case you do not use this calculator for a long time, please take out the battery and preserve it in a dry, cool and shady place.

3. KEY LAYOUT CHART

3. KEY LAYOUT CHART

4. OVERFLOW ERROR

4. HOW TO REPLACE THE DRY BATTERY

1. First set the power switch at off position.
2. Slide the battery cover in the direction of an arrow mark and take it out.
3. Put SUM-3E type dry battery (x4) in the unit. Take care not to mistake battery polarity.
4. Slide the battery cover into the unit.
6. KEY LAYOUT CHART

Power Switch
Clear key
Numerical keys
Decimal point key

Clashy entry key
Percentage key
Division key
Multiplication key
Minus key
Plus key
Equal key

7. OPERATIONS

CALCULATION EXAMPLES

(1) Addition & Subtraction

<table>
<thead>
<tr>
<th>Examples</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. 1.23 + 456 − 456 ÷ 3 = 2.23</td>
<td>1.23 + 456 = 458 + 3 ÷ → 2.23</td>
</tr>
<tr>
<td>2. 123 + 456.7 − 3 ÷ 0.9999 + 1.3001 = 579</td>
<td>123 + 456.7 = 3 ÷ 0.9999 + 1.3001 = 579</td>
</tr>
</tbody>
</table>

(2) Multiplication & Division

<table>
<thead>
<tr>
<th>Examples</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. 3.6 × 4.8 = 154.08</td>
<td>3.6 × 4.8 ÷ → 154.08</td>
</tr>
<tr>
<td>2. (−264) ÷ 12 = −22</td>
<td>(−264) ÷ 12 ÷ → −22</td>
</tr>
</tbody>
</table>

7. Percentage calculation

<table>
<thead>
<tr>
<th>Examples</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. 100 × (20%) = 20</td>
<td>100 × 20 ÷ → 20.</td>
</tr>
<tr>
<td>5 ÷ (9%) = 55,555,555</td>
<td>5 ÷ 9 ÷ → 55,555,555</td>
</tr>
<tr>
<td>2. 5 × (6%) = 0.45</td>
<td>5 ÷ 9 ÷ → 0.45</td>
</tr>
<tr>
<td>5 × (6%) = 0.3</td>
<td>6 ÷ 9 ÷ → 0.3</td>
</tr>
<tr>
<td>5 ÷ (7%) = 0.35</td>
<td>7 ÷ 9 ÷ → 0.35</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Examples</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>3. 5 ÷ (9%) = 55,555,555</td>
<td>5 ÷ 9 ÷ → 55,555,555</td>
</tr>
<tr>
<td>6 ÷ (9%) = 66,666,666</td>
<td>6 ÷ 9 ÷ → 66,666,666</td>
</tr>
<tr>
<td>7 ÷ (9%) = 77,777,777</td>
<td>7 ÷ 9 ÷ → 77,777,777</td>
</tr>
</tbody>
</table>

8. Correcting mistakes

Ex. 1 123 + 566 (mistake) 456 (correct)
Operation
123 + 566 ÷ 456 ÷ → 579.

Ex. 2 123 − 566 (mistake) 456 (correct)
Operation
123 ÷ 566 ÷ 456 ÷ → 333. −

In case of subtraction, if "566" is mistakenly entered, press ÷ key and ÷ k again and then enter correct number "456".

Ex. 3 5 × 8 (mistake) 9 (correct)
Operation
5 × 8 ÷ 9 ÷ → 45.
(3) Power calculation & Reciprocal calculation

<table>
<thead>
<tr>
<th>Examples</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>5$^2$ = 25, 5$^3$ = 125, 5$^-3$ = 625</td>
<td>5 $\times$ 5 $\rightarrow$ 25, 5 $\times$ 5 $\rightarrow$ 125, 5 $\times$ 5 $\rightarrow$ 625</td>
</tr>
<tr>
<td>1/5 = 0.2</td>
<td>5 $\div$ 25 $\rightarrow$ 0.2</td>
</tr>
</tbody>
</table>

(4) Chain calculation

<table>
<thead>
<tr>
<th>Examples</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 $\div$ 5 $\times$ 3 = 6</td>
<td>10 $\div$ 5 $\times$ 3 $\rightarrow$ 6</td>
</tr>
<tr>
<td>1.1 $\times$ 2.2 $\div$ 3.3 $\div$ 4.4 = 1.815</td>
<td>1.1 $\times$ 2.2 $\div$ 3.3 $\div$ 4.4 $\rightarrow$ 1.815</td>
</tr>
</tbody>
</table>

(5) Tax/discount calculation

<table>
<thead>
<tr>
<th>Examples</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 $\div$ 100 $\times$ 0.2 = 80</td>
<td>100 $\div$ 100 $\times$ 0.2 $\rightarrow$ 0.2 $\rightarrow$ 0.2 $\rightarrow$ 80</td>
</tr>
<tr>
<td>100 $\div$ 100 $\times$ (20%) = 80</td>
<td>100 $\div$ 100 $\times$ 0.2 $\rightarrow$ 0.2 $\rightarrow$ 0.2 $\rightarrow$ 80</td>
</tr>
<tr>
<td>100 $\div$ 100 $\times$ 0.2 = 120</td>
<td>100 $\div$ 100 $\times$ 0.2 $\rightarrow$ 0.2 $\rightarrow$ 0.2 $\rightarrow$ 120</td>
</tr>
<tr>
<td>100 $\div$ 100 $\times$ (20%) = 120</td>
<td>100 $\div$ 100 $\times$ 0.2 $\rightarrow$ 0.2 $\rightarrow$ 0.2 $\rightarrow$ 120</td>
</tr>
</tbody>
</table>

(6) Constant calculation

<table>
<thead>
<tr>
<th>Examples</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.23456 x 3 = 3.70368</td>
<td>1.23456 $\times$ 3 $\rightarrow$ 3.70368</td>
</tr>
<tr>
<td>1.23456 x 0.23 = 0.2839488</td>
<td>1.23456 $\times$ 0.23 $\rightarrow$ 0.2839488</td>
</tr>
<tr>
<td>1.23456 x 103,234.78 = 127,449.52</td>
<td>103,234.78 $\div$ 1.23456 $\rightarrow$ 127,449.52</td>
</tr>
<tr>
<td>$(-6)$ x $(-45)$ = 270</td>
<td>5 $\times$ 9 $\rightarrow$ 45 $\rightarrow$ 5 $\times$ 9 $\rightarrow$ 270 $\rightarrow$ 5 $\times$ 9 $\rightarrow$ 45</td>
</tr>
<tr>
<td>$(-6)$ x $(-30)$ = 180</td>
<td>6 $\times$ 30 $\rightarrow$ 180</td>
</tr>
<tr>
<td>$(-6)$ x $(-11)$ = 66 $\rightarrow$ 5.55</td>
<td>11 $\times$ 6 $\rightarrow$ 5.55 $\rightarrow$ 11 $\times$ 6 $\rightarrow$ 5.55</td>
</tr>
<tr>
<td>$5 + 9 = 0.65555555$</td>
<td>5 $\times$ 9 $\rightarrow$ 0.65555555</td>
</tr>
<tr>
<td>$6 + 9 = 0.66666666$</td>
<td>6 $\div$ 9 $\rightarrow$ 0.66666666</td>
</tr>
<tr>
<td>$18 \div 9 = 2$</td>
<td>18 $\div$ 9 $\rightarrow$ 2</td>
</tr>
</tbody>
</table>

8. SPECIFICATIONS

Power source: Dry battery operation operates for 16 hours on four manganese (SUM-3E) dry batteries...at 20°C (AM-3x4A, 26H) (Slightly changes according to the kinds of the batteries and the w of use.)

Display: Itron

Capacity: Display 8 digits

Decimal point: Complete floating decimal point system.

Sign indicator: Minus sign indicator (−) overflow error indicator (E, E)

Calculations: 4 arithmetic operations, constant multiplication and division, square, square root, percentage, tax/discount, reciprocal calculation, percentage calculation, mixed calculation.

Temperature: 0°C ~ 40°C (32°F ~ 104°F)

Components: LSI, etc.

Power consumption: DC: 0.45W AC: 2.4W

Dimensions: 85(W) x 26(H) x 137.5(D)mm

Weight: 225g (0.495 lbs.) (with dry batteries)

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